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**UNITED STATES  
SECURITIES AND EXCHANGE COMMISSION  
WASHINGTON, D.C. 20549**

**AMENDMENT NO. 1 TO  
FORM 10-Q**

(MARK ONE)

(X) QUARTERLY REPORT PURSUANT TO SECTION 13 OR 15(d) OF  
THE SECURITIES EXCHANGE ACT OF 1934

FOR THE QUARTERLY PERIOD ENDED APRIL 30, 2001

OR

( ) TRANSITION REPORT PURSUANT TO SECTION 13 OR 15(d) OF  
THE SECURITIES EXCHANGE ACT OF 1934

FOR THE TRANSITION PERIOD FROM                      TO

COMMISSION FILE NUMBER: 0-19807

**SYNOPSYS, INC.**

(Exact name of registrant as specified in its charter)

DELAWARE  
(State or other jurisdiction of  
incorporation or organization)

56-1546236  
(I.R.S. Employer  
Identification Number)

700 EAST MIDDLEFIELD ROAD  
MOUNTAIN VIEW, CA 94043  
(Address of principal executive offices)

TELEPHONE: (650) 584-5000  
(Registrant's telephone number, including area code)

Indicate by check mark whether the registrant (1) has filed all reports required to be filed by Section 13, or 15(d) of the Securities Exchange Act of 1934 during the preceding 12 months (or for such shorter period that the registrant was required to file such reports), and (2) has been subject to such filing requirements for the past 90 days.

Yes  [X]    No  [ ]

Indicate the number of shares outstanding of each of the issuer's classes of common stock, as of the latest practicable date.

60,856,710 shares of Common Stock as of June 9, 2000

**EXPLANATORY NOTE**

This amendment is being filed to add additional disclosures in Management's Discussion and Analysis and Results of Operations and the Unaudited Condensed Consolidated Financial Statements and notes thereto.

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SYNOPSYS, INC.  
QUARTERLY REPORT ON FORM 10-Q  
APRIL 30, 2001

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## PART I

## ITEM 1. FINANCIAL STATEMENTS

SYNOSSYS, INC.  
 CONDENSED CONSOLIDATED BALANCE SHEETS  
 (in thousands, except per share data)

	<u>APRIL 30,</u> <u>2001</u>	<u>OCTOBER 31,</u> <u>2000</u>
	(unaudited)	
<b>ASSETS</b>		
Current assets:		
Cash and cash equivalents	\$ 145,590	\$ 153,120
Short-term investments	<u>247,109</u>	<u>282,519</u>
Total cash and short-term investments	392,699	435,639
Accounts receivable, net of allowances of \$10,174 and \$9,539, respectively	132,291	146,449
Prepaid expenses, deferred taxes and other	<u>95,301</u>	<u>102,433</u>
Total current assets	620,291	684,521
Property and equipment, net	166,419	157,243
Long-term investments	102,580	126,741
Intangible assets, net	43,677	51,776
Other assets	<u>49,459</u>	<u>30,712</u>
Total assets	<u>\$ 982,426</u>	<u>\$ 1,050,993</u>
<b>LIABILITIES AND STOCKHOLDERS' EQUITY</b>		
Current liabilities:		
Accounts payable and accrued liabilities	\$ 104,701	\$ 139,290
Current portion of long-term debt	1,624	6,416
Accrued income taxes	41,623	56,304
Deferred revenue	<u>257,322</u>	<u>150,654</u>
Total current liabilities	405,270	352,664
Long-term debt	454	564
Deferred compensation	16,503	14,936
Other liability	12,030	--
Stockholders' equity:		
Preferred stock, \$.01 par value; 2,000 shares authorized; no shares outstanding	--	--
Common stock, \$.01 par value; 200,000 shares authorized: 60,642 and 62,877 shares outstanding, respectively	607	629
Additional paid-in capital	567,502	558,716
Retained earnings	412,726	405,419
Treasury stock, at cost	(456,132)	(329,493)
Accumulated other comprehensive income	<u>23,466</u>	<u>47,558</u>
Total stockholders' equity	548,169	682,829
Total liabilities and stockholders' equity	<u>\$ 982,426</u>	<u>\$ 1,050,993</u>

The accompanying notes are an integral part of these financial statements.

SYNOPSYS, INC.  
 UNAUDITED CONDENSED CONSOLIDATED STATEMENTS OF INCOME  
 (in thousands, except per share data)

	THREE MONTHS ENDED APRIL 30,		SIX MONTHS ENDED APRIL 30,	
	2001	2000	2001	2000
Revenue:				
Product	\$ 33,102	\$ 123,033	\$ 72,294	\$ 253,582
Service	91,501	81,820	178,470	168,139
Ratable license	<u>38,921</u>	--	<u>69,914</u>	--
Total revenue	<u>163,524</u>	<u>204,853</u>	<u>320,678</u>	<u>421,721</u>
Cost of revenue:				
Product	4,845	10,653	11,530	20,939
Service	20,073	19,273	39,269	37,872
Ratable license	<u>6,038</u>	--	<u>12,213</u>	--
Total cost of revenue	<u>30,956</u>	<u>29,926</u>	<u>63,012</u>	<u>58,811</u>
Gross margin	<u>132,568</u>	174,927	<u>257,666</u>	362,910
Operating expenses:				
Research and development	47,636	45,962	93,857	90,229
Sales and marketing	69,202	70,395	138,781	137,391
General and administrative	15,104	14,033	31,793	26,282
Amortization of intangible assets	4,179	3,690	8,351	7,211
In-process research and development	--	--	--	1,750
Total operating expenses	<u>136,121</u>	<u>134,080</u>	<u>272,782</u>	<u>262,863</u>
Operating (loss) income	<u>(3,553)</u>	40,847	<u>(15,116)</u>	100,047
Other income, net	<u>21,921</u>	9,694	<u>47,402</u>	<u>18,634</u>
Income before provision for income taxes	<u>18,368</u>	50,541	<u>32,286</u>	118,681
Provision for income taxes	<u>5,878</u>	16,967	<u>10,332</u>	40,004
Net income	<u>\$ 12,490</u>	<u>\$ 33,574</u>	<u>\$ 21,954</u>	<u>\$ 78,677</u>
Basic earnings per share	<u>\$ 0.21</u>	<u>\$ 0.49</u>	<u>\$ 0.35</u>	<u>\$ 1.12</u>
Weighted average common shares outstanding	<u>60,776</u>	<u>69,153</u>	<u>62,822</u>	<u>70,054</u>
Diluted earnings per share	<u>\$ 0.19</u>	<u>\$ 0.47</u>	<u>\$ 0.33</u>	<u>\$ 1.08</u>
Weighted average common shares and dilutive stock options outstanding	<u>65,384</u>	<u>71,089</u>	<u>66,836</u>	<u>72,964</u>

The accompanying notes are an integral part of these financial statements.

SYNOPSYS, INC.  
 UNAUDITED CONDENSED CONSOLIDATED STATEMENTS OF CASH FLOWS  
 (in thousands)

	<b>SIX MONTHS ENDED</b>	
	<b>APRIL 30,</b>	
	<u>2001</u>	<u>2000</u>
<b>CASH FLOWS PROVIDED BY OPERATING ACTIVITIES:</b>		
Net income	\$ 21,954	\$ 78,677
Adjustments to reconcile net income to net cash flows provided by operating activities:		
Depreciation and amortization	31,991	29,404
Tax benefit associated with stock options	8,496	9,563
Provision for doubtful accounts and sales returns	1,237	(2,059)
Interest accretion on notes payable	276	390
Deferred taxes	--	(2,664)
Gain on sale of long-term investments	(29,553)	(5,091)
Write-down of long-term investments	4,348	--
Gain on sale of silicon libraries business	(10,580)	--
In-process research and development	--	1,750
Net changes in operating assets and liabilities:		
Accounts receivable	12,921	(27,187)
Prepaid expenses and other current assets	964	372
Other assets	(505)	(9,439)
Accounts payable and accrued liabilities	(38,237)	(11,694)
Accrued income taxes	(14,681)	12,997
Deferred revenue	106,723	12,546
Deferred compensation	1,567	5,173
Net cash provided by operating activities	<u>96,921</u>	<u>92,738</u>
<b>CASH FLOWS FROM INVESTING ACTIVITIES:</b>		
Expenditures for property and equipment	(33,592)	(27,388)
Purchases of short-term investments	(1,213,513)	(1,264,268)
Proceeds from sales and maturities of short-term investments	1,248,923	1,198,305
Purchases of long-term investments	(8,500)	(7,998)
Proceeds from sale of long-term investments	47,773	8,647
Proceeds from the sale of silicon libraries business	4,122	--
Acquisitions, net of cash acquired	--	(5,646)
Intangible assets, net	(252)	--
Capitalization of software development costs	(500)	(500)
Net cash provided by (used in) investing activities	<u>44,461</u>	<u>(98,848)</u>
<b>CASH FLOWS FROM FINANCING ACTIVITIES:</b>		
Payments of debt obligations	(5,068)	(7,200)
Issuances of long-term debt	--	727
Issuances of common stock	65,302	39,171
Purchases of treasury stock	(206,320)	(182,891)
Net cash used in financing activities	<u>(146,086)</u>	<u>(150,193)</u>
Effect of exchange rate changes on cash	(2,826)	(2,480)
Net decrease in cash and cash equivalents	<u>(7,530)</u>	<u>(158,783)</u>
Cash and cash equivalents, beginning of period	153,120	309,394
Cash and cash equivalents, end of period	<u>\$ 145,590</u>	<u>\$ 150,611</u>

The accompanying notes are an integral part of these financial statements.

SYNOPSYS, INC.  
NOTES TO UNAUDITED CONDENSED CONSOLIDATED FINANCIAL STATEMENTS

1. BASIS OF PRESENTATION

Synopsys, Inc. (Synopsys or the Company) is a leading supplier of electronic design automation (EDA) software to the global electronics industry. The Company develops, markets, and supports a wide range of integrated circuit (IC) design products that are used by designers of advanced ICs, including system-on-a-chip ICs, and the electronic systems (such as computers, cell phones, and internet routers) that use such ICs. The Company also provides consulting services to help its customers improve their IC design processes and, where requested, to assist them with their IC designs.

The Company's fiscal year ends on the Saturday nearest October 31. Fiscal year 2000 was a 52-week year and fiscal year 2001 will be a 53-week year with the extra week added to the first quarter. For presentation purposes, the unaudited condensed consolidated financial statements and notes refer to the calendar month end.

The unaudited condensed consolidated financial statements include the accounts of Synopsys and its wholly owned subsidiaries. All significant intercompany accounts and transactions have been eliminated. In the opinion of management, all adjustments (consisting of normal recurring adjustments) necessary for a fair presentation of the financial position and results of operations of the Company have been made. Operating results for the interim periods are not necessarily indicative of the results which may be expected for any future period or the full fiscal year. The unaudited condensed consolidated financial statements and notes included herein should be read in conjunction with the consolidated financial statements and notes thereto for the fiscal year ended October 31, 2000, included in the Company's 2000 Annual Report on Form 10-K.

The preparation of financial statements in conformity with generally accepted accounting principles requires management to make estimates and assumptions that affect the amounts reported in the unaudited condensed consolidated financial statements and accompanying notes. A change in the facts and circumstances surrounding these estimates and assumptions could result in a change to the estimates and assumptions and impact future operating results.

**REVENUE RECOGNITION AND COST OF REVENUE.** Revenue consists of fees for perpetual and time-based licenses for the Company's software products, sales of hardware system products, post-contract customer support (PCS), customer training and consulting. The Company classifies its revenues as product, service or ratable license. Product revenue consists primarily of perpetual and non-ratable time-based license revenue. Service revenue consists of PCS under perpetual and non-ratable time-based licenses and fees for consulting services and training. Ratable license revenue is all fees related to time-based licenses bundled with post-contract customer support (PCS) and sold as a single package (commonly referred to by the Company as a Technology Subscription License or TSL) and time-based licenses that include extended payment terms or unspecified additional products.

Cost of product revenue includes cost of production personnel, product packaging, documentation, amortization of capitalized software development costs and purchased technology, and costs of the Company's systems products. Cost of service revenue includes personnel and the related costs associated with providing training, consulting and PCS. Cost of ratable license revenue includes the cost of products and services related to time-based licenses bundled with PCS and sold as a single package.

The Company recognizes revenue in accordance with SOP 97-2, Software Revenue Recognition (SOP 97-2), as amended by SOP 98-9, and generally recognizes revenue when all of the following criteria are met as set forth in paragraph 8 of SOP 97-2:

- Persuasive evidence of an arrangement exists,
- Delivery has occurred,
- The vendor's fee is fixed or determinable, and
- Collectibility is probable.

The Company defines each of the four criteria above as follows:

Persuasive Evidence of an Arrangement Exists. It is the Company's customary practice to have a written contract, which is signed by both the customer and Synopsys, or a purchase order from those customers that have previously negotiated a standard end user license arrangement or volume purchase agreement, prior to recognizing revenue on an arrangement.

Delivery Has Occurred. The Company's software may be either physically or electronically delivered to its customers. For those products that are delivered physically, the Company's standard transfer terms are FOB shipping point. For an electronic delivery of software, delivery is considered to have occurred when the customer has been provided with the access codes that allow the customer to take immediate possession of the software on its hardware.

If undelivered products or services exist in an arrangement that are essential to the functionality of the delivered product, delivery is not considered to have occurred.

The Vendor's Fee is Fixed or Determinable. The fee the Company's customers pay for its products is negotiated at the outset of an arrangement, and is generally based on the specific volume of products to be delivered. The Company's license fees are not a function of variable-pricing mechanisms such as the number of units distributed or copied by the customer, or the expected number of users in an arrangement. Therefore, except in cases where the Company grants extended payment terms to a specific customer, the Company's fees are considered to be fixed or determinable at the inception of its arrangements.

The Company's typical payment terms are such that a minimum of 75% of the arrangement revenue is due within one year or less. Arrangements with payment terms extending beyond the typical payment terms are considered not to be fixed or determinable. Revenue from such arrangements is recognized at the lesser of the aggregate of amounts due and payable or the amount of the arrangement fee that would have been recognized if the fees had been fixed or determinable.

Collectibility is Probable. Collectibility is assessed on a customer-by-customer basis. The Company typically sells to customers for which there is a history of successful collection. New customers are subjected to a credit review process, which evaluates the customers' financial position and ultimately their ability to pay. New customers are typically assigned a credit limit based on a formulated review of their financial position. Such credit limits are only increased after a successful collection history with the customer has been established. If it is determined from the outset of an arrangement that collectibility is not probable based upon the Company's credit review process, revenue is recognized on a cash-collected basis.

*Multiple Element Arrangements.* The Company allocates revenue on software arrangements involving multiple elements to each element based on the relative fair values of the elements. The Company's determination of fair value of each element in multiple element arrangements is based on vendor-specific objective evidence (VSOE). The Company limits its assessment of VSOE for each element to the price charged when the same element is sold separately.

The Company has analyzed all of the elements included in its multiple-element arrangements and determined that it has sufficient VSOE to allocate revenue to the PCS components of its perpetual license products and consulting. Accordingly, assuming all other revenue recognition criteria are met, revenue from perpetual licenses is recognized upon delivery using the residual method in accordance with SOP 98-9, and revenue from PCS is recognized ratably over the PCS term. The Company recognizes revenue from TSLs over the term of the ratable license period, as the license and PCS portions of a TSL are bundled and not sold separately. Revenue from contracts with extended payment terms are recognized as the lesser of amounts due and payable or the amount of the arrangement fee that would have been recognized if the fee were fixed or determinable.

Certain of the Company's time-based licenses include unspecified additional products. The Company recognizes revenue from time-based licenses that include unspecified additional software products and extended payment terms that are not considered to be fixed and determinable in an amount that is the lesser of amounts due and payable or the ratable portion of the entire fee. Revenue from contracts with unspecified additional software products is recognized ratably over the contract term.

*Consulting Services.* The Company provides design methodology assistance, specialized services relating to telecommunication systems design and turnkey design services. The Company's consulting services generally are not essential to the functionality of the software. The Company's software products are fully functional upon delivery and implementation does not require any significant modification or alteration. The Company's services to its customers often include assistance with product adoption and integration and specialized design methodology assistance. Customers typically purchase these professional services to facilitate the adoption of the Company's technology and dedicate personnel to participate in the services being performed, but they may also decide to use their own resources or appoint other professional service organizations to provide these services. Software products are billed separately and independently from consulting services, which are generally billed on a time-and-materials or milestone-achieved basis. The Company generally recognizes revenue from consulting services as the services are performed.

Exceptions to the general rule above involve arrangements where the Company has committed to significantly alter the features and functionality of its software or build complex interfaces necessary for the Company's software to function in the customer's environment. These types of services are considered to be essential to the functionality of the software. Accordingly, contract accounting is applied to both the software and service elements included in these arrangements.

**ADOPTION OF SFAS 133.** On November 1, 2000, Synopsys adopted Statement of Financial Accounting Standards No. 133 (SFAS 133), Accounting for Derivative Instruments and Hedging Activities, as amended. SFAS 133 establishes accounting and reporting standards for derivative instruments and hedging activities. SFAS 133 requires that all derivatives be recognized as either assets or liabilities at fair value. Derivatives that are not designated as hedging instruments are adjusted to fair value through earnings. If the derivative is designated as a hedging instrument, depending on the nature of the exposure being hedged, changes in fair value will either be offset against the change in fair value of the hedged asset, liability, or firm commitment through earnings, or recognized in other comprehensive income until the hedged item is recognized in earnings. The ineffective portion of the hedge is recognized in earnings immediately. Upon adoption of SFAS 133, the cumulative transition adjustment was insignificant. The Company does not believe that ongoing application of SFAS 133 will significantly alter its hedging strategies. However, application of SFAS 133 may increase the volatility of other income and expense and other comprehensive income.

**FOREIGN EXCHANGE CONTRACTS.** The Company operates internationally and thus is exposed to potentially adverse movements in foreign currency rates. The Company has entered into foreign exchange forward contracts to reduce its exposure to foreign currency rate changes on non-functional currency denominated balance sheet positions. The objective of these contracts is to neutralize the impact of foreign currency rate movements on the Company's operating results.

These contracts require the Company to exchange currencies at rates agreed upon at the inception of the contracts. These contracts reduce the exposure to fluctuations in exchange rates because the gains and losses associated with foreign currency balances and transactions are generally offset with the gains and losses of the hedge contracts. Because the impact of movements in currency exchange rates on forward contracts offsets the related impact on the underlying items being hedged, these financial instruments help alleviate the risk that might otherwise result from changes in currency exchange rates.

## 2. SALE OF SILICON LIBRARIES BUSINESS

On January 4, 2001, the Company sold the assets of its silicon libraries business to Artisan Components, Inc. (Artisan) for a total sales price of \$15.5 million, including common stock with a fair value of \$11.4 million on the date of sale, and cash of \$4.1 million. The net book value of the assets sold was \$1.4 million. In connection with the sale, the Company subcontracted certain performance obligations under existing contracts to Artisan. The Company estimated the costs associated with the completion of these subcontract agreements to be approximately \$750,000. Expenses incurred in connection with the sale were \$2.8 million. The Company recorded a gain on the sale of the business of \$10.6 million which is included in other income and expense on the accompanying unaudited condensed consolidated statement of operations. Direct revenue for the silicon libraries business was \$0.2 million and \$2.8 million for the six-month periods ended April 30, 2001 and 2000, respectively. Direct revenue for this business was \$4.3 million in fiscal 2000.



### 3. STOCK REPURCHASE PROGRAM

In August 2000, the Company established a stock repurchase program under which Synopsys common stock with an aggregate market value up to \$500 million may be acquired in the open market. Common shares repurchased are intended to be used for ongoing stock issuances under the Company's employee stock plans and for other corporate purposes. Under the share repurchase program, for the three- and six-month periods ended April 30, 2001, the Company purchased 1.2 million and 4.2 million shares, respectively, of Synopsys common stock in the open market, at average prices of \$52 per share and \$49 per share, respectively. For the three- and six-month periods ended April 30, 2000, the Company purchased 2.4 million and 3.7 million shares, respectively, of Synopsys common stock in the open market under a prior share repurchase program, at average prices of \$42 per share and \$49 per share, respectively. At April 30, 2001, \$107.5 million remained available for repurchases under the August 2000 program.

### 4. COMPREHENSIVE INCOME (LOSS)

The following table sets forth the components of comprehensive income (loss), net of income tax expense:

	THREE MONTHS ENDED APRIL 30,		SIX MONTHS ENDED APRIL 30,	
	2001	2000	2001	2000
	(in thousands)			
Net income	\$ 12,490	\$ 33,574	\$ 21,954	\$ 78,677
Foreign currency translation adjustment	1,262	(1,976)	(2,826)	(2,480)
Unrealized gain (loss) on investments	(6,039)	5,332	(20,138)	16,278
Reclassification adjustment for realized losses on investments	(9,363)	(1,873)	(1,128)	(3,055)
Total comprehensive income (loss)	<u>\$ (1,650)</u>	<u>\$ 35,057</u>	<u>\$ (2,138)</u>	<u>\$ 89,420</u>

### 5. EARNINGS PER SHARE

Basic earnings per share is computed using the weighted-average number of common shares outstanding during the period. Diluted earnings per share is computed using the weighted-average number of common shares and dilutive employee stock options outstanding during the period. The dilutive effect of the weighted-average number of employee stock options outstanding is computed using the treasury stock method.

The following table sets forth the computation of basic and diluted earnings per share:

	THREE MONTHS ENDED APRIL 30,		SIX MONTHS ENDED APRIL 30,	
	2001	2000	2001	2000
	(in thousands, except per share amounts)			
NUMERATOR:				
Net income	\$ 12,490	\$ 33,574	\$ 21,954	\$ 78,677
DENOMINATOR:				
Weighted-average common shares outstanding	60,776	69,153	62,822	70,054
Effect of dilutive employee stock options	4,608	1,936	4,014	2,910
Diluted common shares	<u>65,384</u>	<u>71,089</u>	<u>66,836</u>	<u>72,964</u>
Basic earnings per share	<u>\$ 0.21</u>	<u>\$ 0.49</u>	<u>\$ 0.35</u>	<u>\$ 1.12</u>
Diluted earnings per share	<u>\$ 0.19</u>	<u>\$ 0.47</u>	<u>\$ 0.33</u>	<u>\$ 1.08</u>

The effect of dilutive employee stock options excludes approximately 2,720,000 and 4,602,000 stock options for the three-month periods ended April 30, 2001 and 2000, respectively, and 3,276,000 and 3,082,000 for the six-month periods ended April 30, 2001 and 2000, respectively, which were anti-dilutive for earnings per share calculations.

### 6. SEGMENT DISCLOSURE

Statement of Financial Accounting Standards No. 131, Disclosures about Segments of an Enterprise and Related Information (SFAS 131), requires disclosures of certain information regarding operating segments, products and services, geographic areas of operation and major customers. The method for determining what information to report under SFAS 131 is based upon the "management approach," or the way that management organizes the operating

segments within a company, for which separate financial information is available that is evaluated regularly by the Chief Operating Decision Maker (CODM) in deciding how to allocate resources and in assessing performance. Synopsys' CODM is the Chief Executive Officer and Chief Operating Officer.

The Company provides comprehensive design technology products and consulting services in the EDA software industry. The CODM evaluates the performance of the Company based on profit or loss from operations before income taxes and excluding merger-related costs, in-process research and development and amortization of intangible assets. For the purpose of making operating decisions, the CODM primarily considers financial information presented on a consolidated basis accompanied by disaggregated information about revenues by geographic region. There are no differences between the accounting policies used to measure profit and loss for the Company segment and those used on a consolidated basis. Revenue is defined as revenues from external customers.

The disaggregated financial information reviewed by the CODM is as follows:

	THREE MONTHS ENDED APRIL 30,		SIX MONTHS ENDED APRIL 30,	
	2001	2000	2001	2000
	(in thousands)			
Revenue:				
Product	\$ 33,102	\$ 123,033	\$ 72,294	\$ 253,582
Service	91,501	81,820	178,470	168,139
Ratable license	38,921	--	69,914	--
Total revenue	<u>\$ 163,524</u>	<u>\$ 204,853</u>	<u>\$ 320,678</u>	<u>\$ 421,721</u>
Gross margin	\$ 132,568	\$ 174,927	\$ 257,666	\$ 362,910
Operating income (loss) before amortization of intangible assets, and in-process research and development	\$ 626	\$ 44,537	\$ (6,765)	\$ 109,008

There were no merger related costs in the periods presented.

Reconciliation of the Company's segment profit and loss to the Company's operating income (loss) before provision for income taxes is as follows:

	THREE MONTHS ENDED APRIL 30,		SIX MONTHS ENDED APRIL 30,	
	2001	2000	2001	2000
	(in thousands)			
Operating income (loss) before amortization of intangible assets, and in-process research and development	\$ 626	\$ 44,537	\$ (6,765)	\$ 109,008
Amortization of intangible assets	(4,179)	(3,690)	(8,351)	(7,211)
In-process research and development	--	--	--	(1,750)
Operating income (loss)	<u>\$ (3,553)</u>	<u>\$ 40,847</u>	<u>\$ (15,116)</u>	<u>\$ 100,047</u>

Revenue and long-lived assets related to operations in the United States and other geographic areas are as follows:

	THREE MONTHS ENDED APRIL 30,		SIX MONTHS ENDED APRIL 30,	
	2001	2000	2001	2000
	(in thousands)			
Revenue:				
United States	\$ 110,724	\$ 136,453	\$ 216,678	\$ 288,321
Europe	30,300	45,200	57,800	84,900
Japan	17,800	28,900	34,700	53,800
Other	14,300	14,000	32,300	30,100
Transfers between geographic areas	(9,600)	(19,700)	(20,800)	(35,400)
Consolidated	<u>\$ 163,524</u>	<u>\$ 204,853</u>	<u>\$ 320,678</u>	<u>\$ 421,721</u>

	<u>APRIL 30,</u> <u>2001</u>	<u>OCTOBER 31,</u> <u>2000</u>
	(in thousands)	
Long-lived assets:		
United States	\$ 153,451	\$ 140,923
Other	<u>12,968</u>	<u>16,320</u>
Consolidated	<u>\$ 166,419</u>	<u>\$ 157,243</u>

Transfers between geographic areas represent intercompany revenue accounted for at prices representative of unaffiliated party transactions and export shipments directly to customers.

Geographic revenue data for multi-region, multi-product transactions reflect internal allocations and is therefore subject to certain assumptions and the Company's methodology. Revenue is not reallocated among geographic regions to reflect any re-mixing of licenses between different regions following the initial product shipment.

The Company segregates revenue into five categories for purposes of internal management reporting: IC Implementation, including both the Design Compiler (DC) Family and Physical Synthesis; Verification and Test; Intellectual Property (IP) and System Level Design; Transistor Level Design; and Synopsys Professional Services. Revenue for each of the categories is as follows:

	<u>THREE MONTHS ENDED</u> <u>APRIL 30,</u>		<u>SIX MONTHS ENDED</u> <u>APRIL 30,</u>	
	<u>2001</u>	<u>2000</u>	<u>2001</u>	<u>2000</u>
	(in thousands)			
Revenue:				
IC Implementation				
DC Family	\$ 53,578	\$ 62,427	\$ 107,423	\$ 141,869
Physical Synthesis	10,495	11,831	16,655	16,963
Verification and Test	45,321	67,079	89,543	131,327
IP and System Level Design	19,938	29,523	38,379	60,483
Transistor Level Design	10,730	13,870	24,195	30,812
Professional Services	<u>23,462</u>	<u>20,123</u>	<u>44,483</u>	<u>40,267</u>
Consolidated	<u>\$ 163,524</u>	<u>\$ 204,853</u>	<u>\$ 320,678</u>	<u>\$ 421,721</u>

No single customer accounted for more than ten percent of the Company's consolidated revenue in the three-month periods ended April 30, 2001 and 2000 or for the six-month periods ended April 3, 2001 and 2000.

## 7. DERIVATIVE FINANCIAL INSTRUMENTS

The Company currently uses derivative instruments, designated as cash flow hedges, to hedge the variability of cash flows attributable to the forecasted sale of available-for-sale (AFS) securities accounted for under Statement of Financial Accounting Standards No. 115, *Accounting for Certain Investments in Debt and Equity Securities* (SFAS 115). In accounting for a derivative designated as a cash flow hedge, the effective portion of the change in fair value of the derivative is initially recorded in other comprehensive income (OCI) and reclassified into earnings when the hedged anticipated transaction affects earnings. The ineffective portion of the change in the fair value of the derivative is recognized in earnings immediately.

AFS investments accounted for under SFAS 115 are subject to market price risk. From time to time, the Company enters into and designates forward contracts to hedge variable cash flows from anticipated sales of these investments. The Company's objective for entering into derivative contracts is to lock in the price of selected equity holdings while maintaining the rights and benefits of ownership until the anticipated sale occurs. The forecasted sale selected for hedging is determined by market conditions, up-front costs, and other relevant factors. The Company has generally selected forward sale contracts to hedge its market price risk.

Changes in the spot rate of the forward sale contracts designated and qualifying as cash flow hedges of the forecasted sale of AFS investments accounted for under SFAS 115 are reported in OCI. The notional amount and the underlying of the forward designated as the hedging instrument are equal to the AFS securities being hedged. In addition, hedge effectiveness is assessed based on the changes in spot prices. As such, the hedging relationship is

perfectly effective, both at inception of the hedge and on an on-going basis. The difference between the spot price and the forward price, which is generally not material, is reflected in other income.

During the three- and six-month periods ended April 30, 2001, the Company physically settled certain forward contracts. The net gain on the forward contracts was offset by the net loss on the related AFS investment since inception of the hedge, with any gain or loss reclassified from OCI to other income.

The Company recorded a net realized gain on the sale of the available-for-sale investments of \$15.3 million and \$28.8 million, respectively, during the three- and six-month periods ending April 30, 2001. These gains are exclusive of the hedge gains and losses discussed above.

As of April 30, 2001, the Company has recorded a liability of \$12.0 million due to unrealized losses on forward contracts. As of April 30, 2001, the Company has recorded \$42.5 million in long-term investments due to unrealized gains on the forward contracts. As of April 30, 2001, the maximum length of time over which the Company is hedging its exposure to the variability in future cash flows associated with the forward sale contracts is 21 months.

## 8. EFFECT OF NEW ACCOUNTING STANDARDS

During fiscal 2000, the Securities and Exchange Commission issued Staff Accounting Bulletin No. 101, Revenue Recognition in Financial Statements (SAB 101). The objective of SAB 101 is to provide further guidance on revenue recognition issues in the absence of authoritative literature addressing a specific arrangement or a specific industry. The Company is required to adopt the guidance in SAB 101 no later than the fourth quarter of fiscal 2001. Adoption of this guidance is not expected to have a material impact on the Company's financial position or results of operations.

## ITEM 2. MANAGEMENT'S DISCUSSION AND ANALYSIS OF FINANCIAL CONDITION AND RESULTS OF OPERATIONS

The following discussion contains forward-looking statements within the meaning of Section 21E of the Securities Exchange Act of 1934. Such forward-looking statements include the statements concerning effects of foreign currency hedging, adequacy of our cash as well as statements including the words "projects," "expects," "believes," "anticipates" or similar expressions. Actual results could differ materially from those anticipated in such forward-looking statements as a result of certain factors, including those set forth under "Factors That May Affect Future Results."

### RESULTS OF OPERATIONS

*Sale of Silicon Libraries Business.* On January 4, 2001, we sold the assets of the our silicon libraries business to Artisan Components, Inc. (Artisan) for a total sales price of \$15.5 million, including common stock with a fair value of \$11.4 million on the date of sale, and cash of \$4.1 million. The net book value of the assets sold was \$1.4 million. In connection with the sale, we subcontracted certain performance obligations under existing contracts to Artisan. We have estimated the costs associated with the completion of these subcontract agreements to be approximately \$750,000. Expenses incurred in connection with the sale were \$2.8 million. On the date of sale, the Company recorded a gain on the sale of the business of \$10.6 million which is included in other income and expense on the accompanying unaudited condensed consolidated statement of operations. Direct revenue for the silicon libraries business was \$0.2 million and \$2.8 million for the six-month periods ended April 30, 2001 and 2000, respectively. Direct revenue for this business was \$4.3 million in fiscal 2000.

*Introduction of Technology Subscription Licenses (TSLs).* On July 31, 2000, we introduced our TSLs, which are time-limited rights to use our software. Since TSLs include bundled product and services, both product and service revenue is generally recognized ratably over the term of the license, or as payments become due. The terms of TSLs, and the payments due thereon, may be structured flexibly to meet the needs of the customer. With minor exceptions, under TSLs, customers cannot obtain major new products developed or acquired during the term of their license without making an additional purchase.

The replacement of the prior form of time-based licenses by TSLs has impacted and will continue to impact our reported revenue. Under a ratable license, relatively little revenue is recognized during the quarter the product is delivered, and the remaining amount is recorded as deferred revenue, to the extent that the license fee has been paid

or invoiced, to be recognized over the term of the license. Under the prior form of time-based licenses, generally all license revenue was recognized in the quarter that the product was delivered, with relatively little recorded as deferred revenue. Therefore, an order for a TSL will result in significantly lower current-quarter revenue than an equal-sized order under the prior form of time-based licenses. During the second quarter of fiscal 2001, new product orders consisted of approximately 23% perpetual licenses and 77% TSLs.

TSLs have enabled us to (i) offer customers technology and terms that more closely match their needs; (ii) have greater visibility into our earnings stream; (iii) resist customer requests for special end-of-the-quarter discounts; and (iv) roll out our new technologies in a more planned manner.

*Revenue.* Revenue consists of fees for perpetual and ratable licenses of the Company's software products, sales of hardware system products, post-contract customer support (PCS), customer training and consulting. We classify revenues as product, service or ratable licenses. Product revenue consists primarily of perpetual license revenue. Service revenue consists of PCS under perpetual licenses and consulting services. Ratable license revenue is all fees related to time-based licenses bundled with PCS and sold in a single package.

As expected, revenue for the second quarter of fiscal 2001 decreased 20% to \$163.5 million as compared to \$204.9 for the second quarter of fiscal 2000. Total revenues decreased 24% from \$421.7 to \$320.7 million for the six-month periods ended April 30, 2000 and 2001, respectively. This decrease in revenues is attributable to the adoption of TSLs and the related inherent decrease in revenue due to the timing of revenue recognition under the new license model. Since the adoption of TSLs, the percentage of revenue attributable to TSLs has increased from 11% in the fourth quarter of fiscal 2000 to 24% in the second quarter of fiscal 2001.

Product revenue was \$33.1 million for the second quarter of fiscal 2001, compared to \$123.0 million for the second quarter of fiscal 2000, and \$72.3 million and \$253.6 million for the six-month periods ended April 30, 2001 and 2000, respectively. The decrease in product revenue during fiscal 2001 is primarily due to the adoption of TSLs, which are now reported separately as ratable license revenue. Service revenue was \$91.5 million and \$81.8 million for the second quarters of 2001 and 2000, respectively, and \$178.5 million and \$168.1 million for the six-month periods ended April 30, 2001 and 2000, respectively. Ratable license revenue was \$38.9 million for the second quarter of fiscal 2001 and \$69.9 million for the six-month period ended April 30, 2001.

Revenue - Product Groups. For management reporting purposes, our software products have been organized into four distinct product groups -- IC Implementation, Verification and Test, Intellectual Property and System Level Design, Transistor Level Design -- and a services group -- Synopsys(R) Professional Services. The following table summarizes the revenue attributable to the various groups as a percentage of total company revenue:

	<u>Three Months Ended</u>		<u>Six Months Ended</u>	
	<u>April 30,</u>		<u>April 30,</u>	
	<u>2001</u>	<u>2000</u>	<u>2001</u>	<u>2000</u>
Revenue:				
IC Implementation				
DC Family	<b>33%</b>	30%	<b>33%</b>	34%
Physical Synthesis	<u>6%</u>	<u>6%</u>	<u>5%</u>	<u>4%</u>
	<b>39%</b>	36%	<b>38%</b>	38%
Verification and Test	<b>28%</b>	33%	<b>28%</b>	31%
IP and System Level Design	<b>12%</b>	14%	<b>12%</b>	14%
Transistor Level Design	<b>7%</b>	7%	<b>8%</b>	7%
Professional Services	<u>14%</u>	<u>10%</u>	<u>14%</u>	<u>10%</u>
Total Company	<b><u>100%</u></b>	<b><u>100%</u></b>	<b><u>100%</u></b>	<b><u>100%</u></b>

*IC Implementation.* IC implementation includes two product categories, Design Compiler (DC) Family and Physical Synthesis. The DC Family includes Design Compiler, our core logic synthesis product, the Power Compiler which provides "push-button" power optimization and early analysis for the design of low power circuits, and the Module Compiler which is used in the design of complex datapaths. Revenue contributions from the DC Family were \$53.6 million for the second quarter of 2001 as compared to \$62.4 million for the same period in 2000. For the six-month periods ended April 30, 2001 and 2000, revenue contributions were \$107.4 million and \$141.9 million, respectively. The decline in revenue principally reflects the impact of our change in license strategy.

The revenue contribution percentage of the DC Family for the six months ended April 30, 2001 remained relatively flat when compared to the same period of the prior year. We believe relative revenue contribution from the DC Family has peaked. Over the long term, we expect the contribution from DC Family to decline as our customers transition from the DC Family to Physical Synthesis products.

Included in the Physical Synthesis family are Physical Compiler, a product that unifies synthesis, placement and global routing, Chip Architect, a chip floor-planning product, Flex Route, a high-level router, and our detailed routing technology. This product family contributed revenue of \$10.5 million in the second quarter of 2001 as compared to \$11.8 million for the same quarter in the prior year. Revenues for the six-month periods ended April 30, 2001 and 2000 were \$16.7 million and \$17.0 million, respectively.

*Verification and Test.* Verification and Test includes our simulation, timing analysis, formal verification and test products. In the second quarter of fiscal 2001, the Verification and Test product family contributed 28% of our revenue, compared to 33% in the same quarter last year. The Verification and Test product family contributed 28% and 31% for the six-month periods ended April 30, 2001 and 2000, respectively. This decrease is due to the timing and mix of orders received during the second quarter of 2001 as compared to the same period during 2000. We expect demand for verification products to increase as both semiconductor and systems companies encounter increasingly difficult verification challenges as chipmaking technology advances and ICs become more complex.

*Intellectual Property and System Level Design (IP&SG).* Our IP&SG products include DesignWare library of design components and verification models, and system design products. Revenue contribution was 12% for the second quarter of fiscal 2001 and six months ended April 30, 2001 as compared to 14% for the same periods last year. This decline is due to the sale of our silicon libraries business to Artisan in the first quarter of fiscal 2001. Direct revenue for the silicon libraries business was \$2.8 million for the six-month period ended April 30, 2000. Additional decreases in revenue are the result of the impact of our change in license strategy.

*Transistor Level Design.* Our transistor level design products include tools that are used in transistor-level simulation and analysis. Revenue contribution was relatively flat at 7% for each of the second quarters of fiscal 2001 and 2000 and 8% and 7% for the six-month periods ended April 30, 2001 and 2000, respectively. We expect revenue contributions from this product group to remain relatively flat as a percentage of revenues during 2001.

*Professional Services.* The Professional Services group includes consulting and training. This services group provides consulting services including design methodology assistance, specialized services relating to telecommunications systems design and turnkey design services, as well as systems development in wireless and broadband applications. Revenue contributions for this services group were 14% for both the second quarter of 2001 and the six months ended April 30, 2001 as compared to 10% for the same periods in fiscal 2000. For the six-month periods ended April 30, 2001 and 2000, revenue contributions were 14% and 10%, respectively. The increase in the total revenue contribution for this services group is due largely to the increased demand for our turnkey design and wireless and broadband consulting services. We anticipate continued growth in fiscal 2001.

*International Revenue.* The following table summarizes the performance of the various regions as a percentage of total Company revenue:

	Three months ended		Six months ended	
	April 30,		April 30,	
	2001	2000	2001	2000
North America	62%	57%	60%	61%
Europe	18%	22%	20%	18%
Japan	11%	14%	13%	11%
Other	9%	7%	7%	10%
Total	<u>100%</u>	<u>100%</u>	<u>100%</u>	<u>100%</u>

International revenue as a percentage of total revenue for the quarter ended April 30, 2001 decreased to 38% from 43% for the quarter ended April 30, 2000. International revenues remained relatively flat for the six months ended April 30, 2000 compared to the six months ended April 30, 2001. The decrease in international revenues as a percentage of total revenues for the second quarter of fiscal 2001 compared to the same period during 2000 is influenced by the particular contracts closed during the quarter. The relative percentage contributions on a geographic basis, for the six months ended April 30, 2001, are in line with our historical trends. The majority of our

international sales are denominated in the U.S. dollar. There were no foreign exchange gains or losses that were material to our financial results during the three-and six-month periods ended April 30, 2001 and 2000.

*Cost of Revenue.* Cost of product revenue includes personnel and related costs, production costs, product packaging, documentation, amortization of capitalized software development costs and purchased technology, and costs of the components of our hardware system products. The cost of internally developed capitalized software is amortized based on the greater of the ratio of current product revenue to the total of current and anticipated product revenue or the straight-line method over the software's estimated economic life of approximately two years. Cost of product revenue was 15% and 16% of total product revenue for the three and six months ended April 30, 2001, as compared to 9% and 8% for the same periods during 2000. During fiscal 2001, we expect the cost of product revenue as a percentage of revenue to continue to remain relatively flat.

Cost of service revenue includes personnel and related costs associated with providing training and consulting services. Cost of service revenue as a percentage of total service revenue was 22% and 24% in the second quarters of fiscal 2001 and 2000, respectively, and 22% and 23% for each of the six-month periods ended April 30, 2001 and 2000, respectively. We do not expect significant fluctuations in the cost of service revenue as a percentage of revenue in fiscal 2001.

Since TSLs include bundled product and services, cost of ratable license revenue includes the costs of product and services related to our TSLs. Cost of ratable license revenue was 16% in the second quarter of fiscal 2001 and 17% for the six-month period ended April 30, 2001. We do not expect significant fluctuations in the cost of TSL revenue as a percentage of revenue in fiscal 2001.

*Research and Development.* Research and development expenses increased by 4% to \$47.6 million in the second quarter of fiscal 2001, from \$46.0 million in the same quarter of last year, both net of capitalized software development costs. Research and development expenses represented 29% and 22% of total revenue in the second quarter of 2001 and 2000, respectively. Research and development expenses were \$93.9 million for the six-month period ended April 30, 2001 and \$90.2 million for the six-month period ended April 30, 2000. As a percentage of total revenue, research and development expenses represented 29% and 21% for the six-month periods ended April 30, 2001 and 2000, respectively. The increase in the percentage as compared to total revenue is due to lower revenue resulting from the changes in our license strategy. Research and development expenses have increased in absolute dollars due to additional development of products acquired through acquisitions and increased compensation and compensation-related costs related to higher levels of research and development staffing. The increases in research and development spending reflect our belief that to maintain our competitive position in a market characterized by rapid rates of technological advancement, we must continue to invest significant resources in new systems and software, and continue to enhance existing products. We anticipate that we will continue to commit substantial resources to research and development in the future, provided that we are able to continue to hire and retain a sufficient number of qualified personnel. If we determine that we are unable to enter a particular market in a timely manner, we may license technology from other businesses or acquire other businesses as an alternative to internal research and development.

*Sales and Marketing.* Sales and marketing expenses decreased by 2% to \$69.2 million in the second quarter of fiscal 2001 from \$70.4 million in the same quarter last year. Sales and marketing expenses represented 42% and 34% of total revenue in the second quarter of 2001 and 2000, respectively. The decrease, in absolute dollars, for the second quarter of fiscal 2001 as compared to the same period during fiscal 2000 reflects our efforts to contain costs. Sales and marketing expenses were \$138.8 million and \$137.4 million (43% and 33% of total revenue) for the six-month periods ended April 30, 2001 and 2000, respectively. Since fiscal year 2000 was a 52-week year and fiscal year 2001 will be a 53-week year, the first quarter of fiscal 2001 included an additional week of operations resulting in an increase in sales and marketing for the six-month period ended April 30, 2001 as compared to the same period in fiscal 2000. The increase in sales and marketing expenses as a percentage of revenue is due to lower revenue resulting from the changes in our license model.

*General and Administrative.* General and administrative expenses increased to \$15.1 million in the second quarter of fiscal 2001, compared to \$14.0 million in the same quarter last year. As a percentage of total revenue, general and administrative expenses were 9% and 7% in the second quarter of fiscal 2001 and fiscal 2000, respectively. For the six-month periods ended April 30, 2001 and 2000, general and administrative expenses in absolute dollars were \$31.8 million and \$26.3 million and were 10% and 6% of total revenue, respectively. The increase in absolute dollars is primarily due to increases in personnel costs as a result of the additional week of

operations in the first quarter of fiscal 2001 and an increase in facility costs from expansion, offset by our efforts to contain G&A costs. The increase as a percentage of total revenue is primarily the result of the higher personnel costs coupled with lower revenue due to the change we made to our license strategy.

*Amortization of Intangible Assets.* Intangible assets represent the excess of the aggregate purchase price over the fair value of the tangible and identifiable intangible assets we have acquired. Intangible assets, including goodwill, are amortized over their estimated useful life of three to five years. We assess the recoverability of goodwill and other intangible assets by estimating whether the unamortized cost will be recovered through estimated future undiscounted cash flows. Amortization of intangible assets charged to operations in the second quarter of fiscal 2001 was \$4.2 million compared to \$3.7 million for the same period last year. For the six-month periods ended April 30, 2001 and 2000, amortization of intangible assets charged to operations was \$8.4 million and \$7.2 million, respectively.

*In-Process Research and Development.* Purchased in-process research and development (IPRD) of \$1.7 million in the six-month period ended April 30, 2000 represents the write-off of in-process technologies associated with our acquisition of Leda, S.A. in January 2000. At the date of the acquisition, the projects associated with the IPRD efforts had not yet reached technological feasibility and the research and development in process had no alternative future uses. Accordingly, this amount was expensed on the acquisition date.

*Other Income, Net.* Other income, net was \$21.9 million in the second quarter of fiscal 2001, as compared to \$9.7 million in the same quarter in the prior year. The quarter-over-quarter increase is due primarily to \$15.3 million of gains recognized on the sale of securities as compared to \$3.1 for the same period during 2000. These gains were partially offset by the write-down of certain assets valued at \$1.0 million in our venture portfolio in the amount of \$1.0 million for the second quarter of fiscal 2001 as compared to \$0 for the same period during 2000. Further, rental income was \$2.4 million for the second quarter of fiscal 2001 as compared to \$0 for the same period during 2000. Interest income for the second quarter of 2001 of \$3.6 million compared to \$7.1 million for the second quarter of 2000. Our stock repurchase program has led to lower cash balances, which resulted in a decrease in interest income.

Other income, net increased to \$47.4 million for the six months ended April 30, 2001 from \$18.6 million for the same period during 2000. The six-month increase is due in part to the gain of \$10.6 million on the sale of our silicon libraries business to Artisan and in part to realized gains on investments, which were \$29.6 million for fiscal 2001 as compared to \$5.1 million for fiscal 2000. These gains were partially offset by the write-down of certain assets in our venture portfolio in the amount of \$4.3 million for the six months of fiscal 2001. Further, rental income was \$3.7 million and \$0 for the six-month periods ended April 30, 2001 and 2000, respectively. Interest income in the six months ended April 30, 2001 was \$7.8 million, as compared to \$15.1 million in the same quarter last year. This decrease primarily reflects our lower cash balances, which results from the continuation of our stock repurchase program.

During the six months ended April 30, 2001, we determined that certain of the assets held in our venture fund valued at \$7.8 million were impaired and that the impairment was other than temporary. Accordingly, we recorded a charge of approximately \$4.3 million to write down the carrying value of the investments to the best estimate of net realizable value. This impairment charge is included in the accompanying condensed consolidated statement of operations in other income, net. The impairment charge relates to certain investments in non-public companies and represents management's estimate of the impairment incurred during the period as a result of specific analysis of each investment, considering the activities of and events occurring at each of the underlying portfolio companies during the quarter. Our portfolio companies operate in industries that are rapidly evolving and extremely competitive. For equity investments in non-public companies for which there is not a market in which their value is readily determinable, we review each investment for indicators of impairment on a regular basis based primarily on achievement of business plan objectives and current market conditions, among other factors. The primary business plan objectives we consider include, among others, those related to financial performance such as achievement of planned financial results or completion of capital raising activities, and those that are not primarily financial in nature such as the launching of technology or the hiring of key employees. If it is determined that an impairment has occurred with respect to an investment in a portfolio company, in the absence of quantitative valuation metrics, management estimates the impairment and/or the net realizable value of the portfolio investment based on public- and private-company market comparable information and valuations completed for companies similar to our portfolio companies.



*Interest Rate Risk.* Our exposure to market risk for a change in interest rates relates to our investment portfolio. We place our investments in a mix of short-term tax exempt and taxable instruments that meet high credit quality standards, as specified in our investment policy. This policy also limits the amount of credit exposure to any one issue, issuer and type of instrument. We do not anticipate any material losses with respect to our investment portfolio.

The following table presents the carrying value and related weighted-average interest rates for our investment portfolio. The carrying value approximates fair value at April 30, 2001. In accordance with our investment policy, the weighted-average duration of our invested funds portfolio does not exceed one year.

Principal (Notional) Amounts in U.S. Dollars:

<b>(in thousands, except interest rates)</b>	<b><u>Carrying Amount</u></b>	<b><u>Average After Tax Interest Rate</u></b>
Short-term investments -- fixed rate	247,109	4.01%
Money market funds -- variable rate	<u>80,675</u>	3.66%
Total interest bearing instruments	<u>\$ 327,784</u>	3.92%

*Foreign Currency Risk.* At the present time, we do not generally hedge anticipated foreign currency cash flows but hedge only those currency exposures associated with certain assets and liabilities denominated in nonfunctional currencies. Hedging activities undertaken are intended to offset the impact of currency fluctuations on these balances. The success of this activity depends upon the accuracy of our estimates of balances denominated in various currencies, primarily the euro, Japanese yen, Taiwan dollar, British pound sterling, Canadian dollar, and Singapore dollar. We had contracts for the sale and purchase of foreign currencies with a notional value expressed in U.S. dollars of \$94.9 million as of April 30, 2001. Looking forward, we do not anticipate any material adverse effect on our consolidated financial position, results of operations, or cash flows resulting from the use of these instruments. There can be no assurance that these hedging transactions will be effective in the future.

The following table provides information about our foreign exchange forward contracts at April 30, 2001. Due to the short-term nature of these contracts, the contract rate approximates the weighted-average contractual foreign currency exchange rate at April 30, 2001. These forward contracts mature in approximately thirty days.

Short-Term Forward Contracts to Sell and Buy Foreign Currencies in U.S. Dollars:

<b>(in thousands, except for contract rates)</b>	<b><u>USD Amount</u></b>	<b><u>Contract Rate</u></b>
Forward Net Contract Values:		
Euro	\$ 73,981	1.1223
Japanese yen	8,580	125.977
Taiwan Dollar	2,453	33.000
British pound sterling	895	0.697
Canadian dollar	8,381	1.535
Singapore dollar	604	1.809

The unrealized gains/losses on the outstanding forward contracts at April 30, 2001 were immaterial to our consolidated financial statements. The realized gain/losses on these contracts as they matured were not material to our consolidated financial position, results of operations or cash flows for the periods presented.

On November 1, 2000, we adopted Statement of Financial Accounting Standards No. 133 (SFAS 133), Accounting for Derivative Instruments and Hedging Activities, as amended. SFAS 133 establishes accounting and reporting standards for derivative instruments and hedging activities. SFAS 133 requires that all derivatives be recognized as either assets or liabilities at fair value. Derivatives that are not designated as hedging instruments are adjusted to fair value through earnings. If the derivative is designated as a hedging instrument, depending on the nature of the exposure being hedged, changes in fair value will either be offset against the change in fair value of the hedged asset, liability, or firm commitment through earnings, or recognized in other comprehensive income until the hedged item is recognized in earnings. The ineffective portion of the hedge is recognized in earnings immediately. Upon adoption of FAS 133, the cumulative transition adjustment was insignificant. We do not believe that ongoing application of SFAS 133 will significantly alter our hedging strategies. However, its application may increase the volatility of other income and expense and other comprehensive income. Apart from our foreign currency hedging

and forward sales of certain equity investments, we do not use derivative financial instruments. In particular, we do not use derivative financial instruments for speculative or trading purposes.

## LIQUIDITY AND CAPITAL RESOURCES

Cash, cash equivalents and short-term investments were \$392.7 million at April 30, 2001, a decrease of \$42.9 million, or 10%, from October 31, 2000. Cash provided by operating activities was \$96.9 million for the six months ended April 30, 2001 compared to \$92.7 million for the same period in the prior year.

Cash provided by investing activities was \$44.5 million in the first six months of 2001 compared to \$98.8 million used for investing activities during same period in 2000. The increase in cash provided by investing activities is due to net proceeds from the sale of short- and long-term investments totaling \$74.7 million for the six months ended April 30, 2001 as compared to net purchases of investments totaling \$65.3 million for the same period during 2000. The cash received from the sales of investments during fiscal 2001 was primarily used to purchase treasury stock. Capital expenditures totaled \$33.6 million in fiscal 2001 as we continue to invest in fixed assets, primarily related to construction of our Oregon facilities and computing equipment to support our growth and expand our infrastructure.

We used \$146.1 million in net cash for financing activities for the six months ended April 30, 2001 compared to \$150.2 for the same period during fiscal 2000. The primary financing uses of cash during 2001 were for the repurchase of 4.2 million shares of common stock for approximately \$49 per share and payments on debt obligations totaling \$5.1 million. Financing sources of cash during the six months ended April 30, 2001 were \$65.3 million in proceeds from the sale of shares pursuant to our employee stock plans compared to \$39.2 for the six months ended April 30, 2000.

Accounts receivable decreased 10%, from \$146.4 million at October 31, 2000 to \$132.3 million at April 30, 2001. Days sales outstanding decreased to 74 days as of April 30, 2001 from 99 days at October 31, 2000 as a result of improved cash collections and an increase in revenues in the quarter ended April 30, 2001 compared to the quarter ended October 31, 2000.

We believe that our current cash, cash equivalents, short-term investments, lines of credit, and cash generated from operations will satisfy our business requirements for at least the next twelve months.

## FACTORS THAT MAY AFFECT FUTURE RESULTS

Our Revenue and Earnings May Fluctuate. Many factors affect our revenue and earnings, which makes it difficult to achieve predictable revenue and earnings growth. Among these factors are customer product and service demand, product license terms, and the timing of revenue recognition on products and services sold. The following specific factors could affect our revenue and earnings in a particular quarter or over several quarterly or annual periods:

- Like all companies, our business is linked to the health of the U.S. and international economies. Economic growth has slowed significantly, and some commentators believe the U.S. economy will experience a recession. Weakness in the U.S. and world economy could have an adverse effect on our orders and revenue.
- Our products are complex, and before buying them customers spend a great deal of time reviewing and testing them. Our customers' evaluation and purchase cycles do not necessarily match our quarterly periods. In the past, we have received a disproportionate volume of orders in the last week of a quarter, although since the adoption of the TSL license model orders have become more linear. In addition, a large proportion of our business is attributable to our largest customers. As a result, if any order, and especially a large order, is delayed beyond the end of a fiscal period, our orders for that period could be below our plan and our revenue could be below any targets we may have published.
- Accounting rules determine when revenue is recognized on our product, TSL's and service contracts, and therefore impact how much revenue we will report in any given fiscal period. The authoritative literature under which the Company recognizes revenue has been, and is expected to continue to be, the subject of much interpretative guidance. In general, after the adoption of TSLs in the fourth quarter of fiscal 2000 (as described above under "Results of Operations-Revenue"), most orders for our products and services yield

revenue over multiple quarters (extending beyond the current fiscal year) or upon completion of performance rather than at the time the contract is executed. The specific terms agreed to with a customer may have the effect of requiring deferral or acceleration of revenue in whole or in part. Therefore, for any given fiscal period it is possible for us to fall short in our revenue and/or earnings plan even while orders and backlog remain on plan or, conversely, to meet or exceed our revenue and/or earnings plan because of backlog and deferred revenue, while orders are under plan.

- In fiscal 2000, we modified the license and pricing structure for our software products, adopting TSLs, for which revenue is recognized over the term of the license rather than at shipment. Our revenue targets for any given quarter are based, in part, upon an assumption that we will achieve a license mix of perpetual licenses and TSL's that includes 20% to 30% perpetual licenses (on which revenue is generally recognized in the quarter shipped). If we are unable to achieve a mix in this range our ability to achieve short-term or long-term revenue growth targets may be impaired.

Our Business Depends on the Semiconductor and Electronics Businesses. Purchases of our products are largely dependent upon the commencement of new design projects by semiconductor manufacturers and their customers, the number of design engineers and the increasing complexity of designs. Though we do not directly benefit from increases in the sheer number of chips produced, our business has benefited from the rapid worldwide growth of the semiconductor industry. Since the end of 2000, the semiconductor industry has recently experienced a sharp decline in orders and revenue. Many semiconductor manufacturers and vendors of products incorporating semiconductors have announced earnings shortfalls and employee layoffs. The outlook for the electronics industry is uncertain and it is impossible to predict how long the current slump will last.

In general, budget cuts and layoffs have not to date directly impacted our customers' orders in any material way, though overall, customer spending is getting tighter and spending decisions, particularly relating to consulting services, more carefully scrutinized. It is impossible to predict the conditions under which our business could be materially adversely affected by the semiconductor slump. Demand for our products and services may also be affected by mergers in the semiconductor and systems industries, which may reduce the aggregate level of purchases of our products and services by the combined companies. Slower growth in the semiconductor and electronics industries, a reduced number of design starts, tightening of customers' operating budgets, continued consolidation among our customers or a shift toward field-programmable gate arrays (FPGAs) or other types of semiconductors that can be designed with less-expensive EDA software, all could have a material adverse effect on our business, financial condition and results of operations.

Our Industry is Highly Competitive. The EDA industry is highly competitive. We compete against other EDA vendors, and with customers' internally developed design tools and internal design capabilities, for a share of the overall EDA budgets of our potential customers. In general, competition is based on product quality and features, post-sale support, price and, as discussed below, the ability to offer a complete design flow. Our competitors include companies that offer a broad range of products and services, such as Cadence, Mentor and Avant!, as well as companies, including numerous start-up companies, that offer products focused on a discrete phase of the integrated circuit design process. In certain situations, Synopsys' competitors have been offering aggressive discounts on certain of their products, in particular simulation and synthesis products. As a result, average prices for these products may fall. In order to compete successfully, we must continue to enhance our products and bring to market new products that address the needs of our customers. We also will have to expand our consulting services business. The failure to enhance existing products, develop and/or acquire new products or expand our ability to offer consulting services could have a material adverse effect on our business, financial condition and results of operations.

Technology advances and customer requirements continue to fuel a change in the nature of competition among EDA vendors. Increasingly, EDA companies compete on the basis of "design flows" involving integrated logic and physical design products (referred to as "physical synthesis" products) rather than on the basis of individual "point" tools performing a discrete phase of the design process. The need to offer physical synthesis products will become increasingly important as ICs grow more complex. Our principal physical synthesis product was fully released in June 2000, and has been well received by customers. We are working on completing our design flow, but there is no guarantee that we will be able to offer a competitive complete flow to customers. The market for physical design tools is dominated by Cadence and Avant!, both of which offer products linking logic and physical design. If we are unsuccessful in developing a complete design flow on a timely basis or in convincing customers to adopt our

integrated logical and physical design products and methodology, our competitive position could be significantly weakened.

**Our Revenue Growth Depends on New and Non-Synthesis Products.** Historically, much of our growth has been attributable to the strength of our logic synthesis products. These products accounted for 32.8% of revenue in the second fiscal quarter of 2001 (see note 6 to the Notes to Unaudited Condensed Consolidated Financial Statements). We believe that orders and revenue for our flagship logic synthesis product, Design Compiler, and the DC Family has peaked. Over the long term, we expect the contribution from DC Family to decline as our customers to transition from the DC Family to Physical Synthesis products. In order to meet our revenue plan, revenue from our physical synthesis products, our non-synthesis products and professional services must grow faster than our overall revenue growth target. Among the products that we expect to be the most important contributors to revenue growth are our Physical Compiler physical synthesis, VCS Verilog simulation and DesignWare IP library products. If revenue growth for these products fails to meet our goals, it is unlikely that we will meet our overall revenue growth target.

In order to sustain revenue growth over the long term, we will have to introduce new products that are accepted by a broad range of customers and to significantly expand our consulting services business. Product success is difficult to predict. The introduction of new products and growth of a market for such products cannot be assured. In the past we, like all companies, have introduced new products that have failed to meet our revenue expectations. Expanding revenue from consulting services will require us to recruit, hire and train a large number of skilled employees, and to implement management controls on bidding and executing on consulting engagements. The consulting business is significantly different from the software business, however, and increasing consulting orders and revenue while maintaining an adequate level of profit can be difficult. There can be no assurance that we will be successful in expanding revenue from existing or new products at the desired rate or in expanding our services business, and the failure to do so would have a material adverse effect on our business, financial condition and results of operations.

**Businesses We Acquire May Not Perform as Projected.** We have acquired or merged with a number of companies in recent years, and as part of our efforts to increase revenue and expand our product and services offerings we may acquire additional companies. In addition to direct costs, acquisitions pose a number of risks, including potential dilution of earnings per share, problems in integrating the acquired products and employees into our business, the failure to realize expected synergies or cost savings, the failure of acquired products to achieve projected sales, the drain on management time for acquisition-related activities, adverse effects on customer buying patterns and assumption of unknown liabilities. While we attempt to review proposed acquisitions carefully and negotiate terms that are favorable to us, there is no assurance that any acquisition will have a positive effect on our performance.

**Stagnation of International Economies Would Adversely Affect Our Performance.** During the second quarter of fiscal 2001, 38% of our revenue was derived from outside North America, while during fiscal 2000, this figure was 43%. International sales are vulnerable to regional or worldwide economic or political conditions and to changes in foreign currency exchange rates. A number of our largest European customers are in the telecommunications equipment business, which has weakened considerably this year. The longer this weakness persists the more likely our business with these customers will be negatively affected. The Japanese economy has been stagnant for several years. If the Japanese economy remains weak, revenue and orders from Japan, and perhaps the rest of Asia, could be adversely affected. In addition, the yen-dollar and euro-dollar exchange rates remain subject to unpredictable fluctuations. Weakness of the yen could adversely affect revenue and orders from Japan during future quarters. Asian countries other than Japan also have experienced economic and currency problems in recent years, and in most cases they have not fully recovered. If such conditions persist or worsen, orders and revenues from the Asia Pacific region would be adversely affected.

**Our Success Depends on Recruiting and Retaining Key Personnel.** Our success is dependent on technical and other contributions of key employees. We participate in a dynamic industry, with significant start-up activity, and our headquarters is in Silicon Valley, where skilled technical, sales and management employees are in high demand. There are a limited number of qualified EDA and IC design engineers, and the competition for such individuals is intense. Experience at Synopsys is highly valued in the EDA industry and the general electronics industry, and our employees are recruited aggressively by our competitors and by start-up companies in many industries. Recent changes in the semiconductor and internet-related industries have led to improvements in the recruiting and retention environment; however, we have experienced, and may continue to experience, significant employee turnover. There can be no assurance that we can continue to recruit and retain the technical and managerial personnel we need to run

our business. Failure to do so could have a material adverse effect on our business, financial condition and results of operations.

**Dependence on Proprietary Technology.** Our success is dependent, in part, upon our proprietary technology and other intellectual property rights. We rely on contractual arrangements with customers, employees and others, and intellectual property laws, to protect our proprietary technology. There can be no assurance that these agreements will not be breached, that we would have adequate remedies for any breach or that our trade secrets will not otherwise become known or be independently developed by competitors. Moreover, effective intellectual property protection may be unavailable or limited in certain foreign countries. Failure to obtain or maintain appropriate patent, copyright or trade secret protection, for any reason, could have a material adverse effect on our business, financial condition and results of operations. In addition, there can be no assurance that infringement claims will not be asserted against us; and any such claims could require us to enter into royalty arrangements or result in costly and time-consuming litigation.

**Fixed Operating Expenses.** Our operating expenses are based in part on our expectations of future revenue, and expense levels are generally committed in advance of revenue. Since only a small portion of our expenses varies with revenue, a shortfall in revenue translates directly into a reduction in net income. For fiscal 2001 our target for total expenses is \$670-675 million. If we are unsuccessful in generating anticipated revenue, or unsuccessful at maintaining expenses within this range, however, our business, financial condition and results of operations could be materially adversely affected.

**Anti-Takeover Provisions.** We have adopted a number of provisions that could have anti-takeover effects. The Board of Directors has adopted a Preferred Shares Rights Plan, commonly referred to as a “poison pill.” In addition, the Board of Directors has the authority, without further action by its stockholders, to issue additional shares of Common Stock and to fix the rights and preferences of, and to issue authorized but undesignated shares of Preferred Stock. These and other provisions of Synopsys’ Restated Certificate of Incorporation and Bylaws and the Delaware General Corporation Law may have the effect of deterring hostile takeovers or delaying or preventing changes in control or management of Synopsys, including transactions in which the shareholders of the Company might otherwise receive a premium for their shares over then current market prices.

**Change in Financial Accounting Standards.** We prepare our financial statements in conformity with generally accepted accounting principles (GAAP). GAAP are subject to interpretation by the Financial Accounting Standards Board, the American Institute of Certified Public Accountants (AICPA), the SEC and various bodies appointed by these organizations to interpret existing rules and create new accounting policies. In particular, a task force of the Accounting Standards Executive Committee, a subgroup of the AICPA, meets on a quarterly basis to review various issues arising under the existing software revenue recognition rules, and issues interpretations of these rules. Additional interpretations issued by the task force may have an adverse effect on how we report revenue or on the way we conduct our business in the future.

### ITEM 3. QUANTITATIVE AND QUALITATIVE DISCLOSURE ABOUT MARKET RISK

Information relating to quantitative and qualitative disclosure about market risk is set forth under the captions “Interest Rate Risk” and “Foreign Currency Risk” in Item 2, Management’s Discussion and Analysis of Financial Condition and Results of Operations. Such information is incorporated herein by reference.

## PART II. OTHER INFORMATION

On April 23, 2001, the Annual Meeting of Stockholders of Synopsys, Inc. was held in Mountain View, California. Four matters were submitted to the stockholders for action or approval.

1. The stockholders elected eight directors to hold office for a one-year term or until their respective successors are elected. The votes for these directors are set forth below.

	<u>Total Vote For Each Director</u>	<u>Total Vote Withheld From Each Director</u>
Aart J. de Geus	55,194,995	209,514
Andy D. Bryant	55,193,995	210,514
Chi-Foon Chan	55,194,481	210,028
Bruce R. Chizen	55,192,671	211,838
Deborah A. Coleman	55,183,865	220,644
A. Richard Newton	55,193,268	211,241
Sasson Somekh	41,197,639	14,206,870
Steven C. Walske	55,192,191	212,318

2. The stockholders approved an amendment to the Company's Employee Stock Purchase Plan and International Employee Stock Purchase Plan to increase the number of shares of Common Stock reserved for issuance thereunder by 1,200,000 shares.

<u>For</u>	<u>Against</u>	<u>Abstain</u>	<u>Non-Votes</u>
42,523,867	4,962,471	50,046	7,896,840

3. The stockholders voted upon but did not approve an amendment to the Company's 1992 Stock Option Plan (the "1992 Plan") to extend the term of the 1992 Plan from January 2002 until January 2007.

<u>For</u>	<u>Against</u>	<u>Abstain</u>	<u>Non-Votes</u>
23,101,081	24,370,368	64,935	7,909,955

4. The stockholders approved a proposal to ratify the appointment of KPMG LLP as the Company's independent auditors for the fiscal year ending November 3, 2001.

<u>For</u>	<u>Against</u>	<u>Abstain</u>	<u>Non-Votes</u>
55,276,533	121,954	34,829	N/A

### ITEM 6. EXHIBITS AND REPORTS ON FORM 8-K

#### (a.) Exhibits

- |      |  |
|------|--|
| 10.1 | 1992 Stock Option Plan, as amended through May 25, 2001                          |
| 10.2 | Employee Stock Purchase Plan, as amended through February 28, 2001               |
| 10.3 | International Employee Stock Purchase Plan, as amended through February 28, 2001 |

#### (b.) Reports on Form 8-k

None.

SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned thereunto duly authorized.

SYNOPSYS, INC.

By: /s/ Robert B. Henske

Robert B. Henske

Senior Vice President, Finance and

Chief Financial Officer

(Principal Financial Officer)

Date: December 20, 2001

Operations, and

## EXHIBIT INDEX

<b><u>EXHIBIT NUMBER</u></b>	<b><u>DESCRIPTION</u></b>
10.1	1992 Stock Option Plan, as amended through May 25, 2001
10.2	Employee Stock Purchase Plan, as amended through February 28, 2001
10.3	International Employee Stock Purchase Plan, as amended through February 28, 2001



**Exhibit 10.1**

**SYNOPSYS, INC.**

**1992 STOCK OPTION PLAN**

**(Amended July 29, 1992, October 28, 1992, October 27, 1993,  
October 27, 1994, November 1, 1995, May 1, 1996, May 3, 1996,  
October 30, 1996, January 11, 2000 March 3, 2000 and May 25, 2001)**

**ARTICLE ONE  
GENERAL**

**I. PURPOSE OF THE PLAN**

A. This 1992 Stock Option Plan (Plan) is intended to promote the interests of Synopsys, Inc., a Delaware corporation (the Corporation), by providing (i) key employees (including officers and directors) of the Corporation (or its parent or subsidiary corporations) who are responsible for the management, growth and financial success of the Corporation (or its parent or subsidiary corporations) and (ii) consultants and other independent advisors who provide valuable services to the Corporation (or its parent or subsidiary corporations) with the opportunity to acquire a proprietary interest, or otherwise increase their proprietary interest, in the Corporation as an incentive for them to remain in the service of the Corporation (or its parent or subsidiary corporations).

B. The Plan shall become effective on the first date on which the shares of the Corporation's common stock are registered under Section 12(g) of the Securities Exchange Act of 1934, as amended (the 1934 Act). Such date is hereby designated as the Effective Date of the Plan.

C. This Plan shall serve as the successor to the Corporation's 1988 Restricted Stock Plan (the 1988 Plan), and no further option grants shall be made under the 1988 Plan from and after the Effective Date of this Plan. All options outstanding under the 1988 Plan on such Effective Date are hereby incorporated into this Plan and shall accordingly be treated as outstanding options under this Plan. However, each outstanding option so incorporated shall continue to be governed solely by the express terms and conditions of the instrument evidencing such grant, and no provision of this Plan shall be deemed to affect or otherwise modify the rights or obligations of the holders of such incorporated options with respect to their acquisition of shares of the Corporation's common stock thereunder. All outstanding unvested share issuances under the 1988 Plan shall continue to be governed solely by the express terms and conditions of the instruments evidencing such issuances, and no provision of this Plan shall be deemed to affect or otherwise modify the rights or obligations of the holders of such unvested shares.

D. For purposes of the Plan, the following provisions shall be applicable in determining the parent and subsidiary corporations of the Corporation:

Any corporation (other than the Corporation) in an unbroken chain of corporations ending with the Corporation shall be considered to be a parent of the Corporation, provided each such corporation in the unbroken chain (other than the Corporation) owns, at the time of the determination, stock possessing fifty percent (50%) or more of the total combined voting power of all classes of stock in one of the other corporations in such chain.

Each corporation (other than the Corporation) in an unbroken chain of corporations beginning with the Corporation shall be considered to be a subsidiary of the Corporation, provided each such corporation (other than the last corporation) in the unbroken chain owns, at the time of the determination, stock possessing fifty percent (50%) or more of the total combined voting power of all classes of stock in one of the other corporations in such chain.

**II. ADMINISTRATION OF THE PLAN**

A. Administrator. The Plan shall be administered by the Board of Directors or a committee that will satisfy Rule 16b-3 of the Securities and Exchange Commission and Section 162(m) of the Internal Revenue

Code, as in effect with respect to the Company from time to time (in either case, the Administrator). In connection with the administration of the Plan, the Administrator shall have the powers possessed by the Board. The Administrator may act only by a majority of its members, except that the Administrator may authorize any one or more of its members or any officer of the Company to execute and deliver documents on behalf of the Administrator. For so long as not otherwise required for the Plan to comply with Rule 16b-3, the Administrator or the Board may delegate to one or more directors of the Company authority to grant stock options to persons who are not subject to Section 16 of the Exchange Act, and may delegate administrative duties to such director(s) and such employees of the Company as it deems proper. The Board at any time may terminate the authority delegated to any committee of the Board pursuant to this Section III(a) and revert in the Board the administration of the Plan.

B. Authority. The Administrator shall grant options and authorize stock issuances (in either case an Award) to selected eligible employees and consultants. In particular and without limitation, the Administrator, subject to the terms of the Plan, shall:

- (i) select the officers, other employees, and consultants to whom Awards may be granted;
- (ii) determine whether and to what extent Awards are to be granted under the Plan;
- (iii) determine the number of shares to be covered by each Award granted under the Plan; and
- (iv) determine the terms and conditions of any Award granted under the Plan and any related loans to be made by the Company, based upon factors determined by the Administrator.

C. Administrator Determinations Binding. The Administrator may adopt, alter and repeal administrative rules, guidelines and practices governing the Plan as it from time to time shall deem advisable, may interpret the terms and provisions of the Plan, any Award and any Award agreement and may otherwise supervise the administration of the Plan. Any determination made by the Administrator pursuant to the provisions of the Plan with respect to any Award shall be made in its sole discretion at the time of the grant of the Award or, unless in contravention of any express term of the Plan or Award, at any later time. All decisions made by the Administrator under the Plan shall be binding on all persons, including the Company and Plan participants. No member of the Administrator shall be liable for any action that he or she has in good faith taken or failed to take with respect to this Plan or any Award.

### **III. ELIGIBILITY**

A. The persons eligible to receive option grants (Optionee) are as follows:

- (i) officers and other key employees of the Corporation (or its parent or subsidiary corporations) who render services which contribute to the management, growth and financial success of the Corporation (or its parent or subsidiary corporations);
- (ii) those consultants or other independent advisors who provide valuable services to the Corporation (or its parent or subsidiary corporations).

B. Non-employee members of the Board shall not be eligible to participate in the Plan or in any other stock option, stock purchase, stock bonus or other stock plan of the Corporation (or its parent or subsidiary corporations), other than the 1994 Non-Employee Directors Stock Option Plan.

### **IV. STOCK SUBJECT TO THE PLAN**

A. Shares of the Corporation's common stock (the Common Stock) shall be available for issuance under the Plan and shall be drawn from either the Corporation's authorized but unissued shares of Common Stock or from reacquired shares of Common Stock, including shares repurchased by the Corporation on the open market. The maximum number of shares of Common Stock which may be issued over the term of the Plan shall not exceed

the sum of (i) 17,767,142 shares plus (ii) an additional number of shares equal to 5% of the number of shares of Common Stock and Common Stock equivalents outstanding on the first day of each of the 1997, 1998 and 1999 fiscal years. Such authorized share reserve includes the number of shares which remained available for issuance, as of the Effective Date, under the 1988 Plan as last approved by the Corporation's stockholders prior to such Effective Date, including the shares subject to the outstanding options incorporated into this Plan and any other shares available for future option grant under the 1988 Plan as last approved by the stockholders, and such reserve shall be adjusted from time to time in accordance with the provisions of this Section IV. To the extent one or more outstanding options under the 1988 Plan which have been incorporated into this Plan are subsequently exercised, the number of shares issued with respect to each such option shall reduce, on a share- for-share basis, the number of shares available for issuance under this Plan.

B. In no event may the maximum number of shares which may be issued pursuant to Incentive Options granted under the Plan on or after the first day of the 1995 fiscal year (October 2, 1994) exceed 16,000,000 shares, subject to adjustment from time to time in accordance with the provisions of this Section IV. The maximum number of shares which may be issued pursuant to Incentive Options granted under the Plan prior to the first day of the 1995 fiscal year (October 2, 1994) shall not exceed 11,400,000 shares, subject to adjustment from time to time in accordance with the provisions of this Section IV.

C. In no event may the aggregate number of shares of Common Stock for which any one individual participating in the Plan may be granted stock options and/or separately-exercisable stock appreciation rights during any fiscal year exceed 750,000 shares, except in the case of an individual's initial employment with the Company, in which case such individual may be granted stock options and/or stock appreciation rights for an additional 250,000 shares, subject to adjustment from time to time in accordance with the provisions of this Section IV. For purposes of such limitation, no stock options or stock appreciation rights granted prior to January 1, 1994 shall be taken into account.

D. Should one or more outstanding options under this Plan (including outstanding options under the 1988 Plan incorporated into this Plan) expire or terminate for any reason prior to exercise in full (including any option cancelled in accordance with the cancellation-regrant provisions of Section IV of Article Two of the Plan), then the shares subject to the portion of each option not so exercised shall be available for subsequent option grant under the Plan. Shares subject to any option or portion thereof surrendered or cancelled in accordance with Section V of Article Two and all shares issuances under the Plan, whether or not the shares are subsequently repurchased by the Corporation pursuant to its repurchase rights under the Plan, shall not be available for subsequent option grant under the Plan. In addition, should the exercise price of an outstanding option under the Plan be paid with shares of Common Stock, then the number of shares of Common Stock available for issuance under the Plan shall be reduced by the gross number of shares for which the option is exercised, and not by the net number of shares of Common Stock actually issued to the holder of such option.

E. In the event any change is made to the Common Stock issuable under the Plan by reason of any stock split, stock dividend, recapitalization, combination of shares, exchange of shares or other change affecting the outstanding Common Stock as a class without the Corporation's receipt of consideration, appropriate adjustments shall be made to (i) the maximum number and/or class of securities issuable under the Plan, (ii) the maximum number and/or class of securities which may be issued pursuant to Incentive Options granted under the Plan, whether before or after the first day of the 1995 fiscal year, (iii) the total number and/or class of securities for which stock options and separately-exercisable stock appreciation rights may be granted to any one participant in the Plan after December 31, 1993, (iv) the number and/or class of securities and price per share in effect under each outstanding option under the Plan and (v) the number and/or class of securities and price per share in effect under each outstanding option incorporated into this Plan from the 1988 Plan. Such adjustments to the outstanding options are to be effected in a manner which shall preclude the enlargement or dilution of rights and benefits under such options.

The adjustments determined by the Plan Administrator shall be final, binding and conclusive.

F. Common Stock issuable under the Plan may be subject to such restrictions on transfer, repurchase rights or other restrictions determined by the Plan Administrator.

## **ARTICLE TWO OPTION GRANTS**

### **I. TERMS AND CONDITIONS OF OPTIONS**

Options granted pursuant to the Plan shall be authorized by action of the Plan Administrator and may, at the Plan Administrator's discretion, be either Incentive Options or non-statutory options. Individuals who are not Employees of the Corporation or its parent or subsidiary corporations may only be granted non-statutory options. Each granted option shall be evidenced by one or more instruments in the form approved by the Plan Administrator; provided, however, that each such instrument shall comply with the terms and conditions specified below. Each instrument evidencing an Incentive Option shall, in addition, be subject to the applicable provisions of Section II of this Article Two.

#### A. Option Price.

(1) The option price per share shall be fixed by the Plan Administrator. In no event, however, shall it be less than one hundred percent (100%) of the fair market value per share of Common Stock on the date of the option grant.

(2) The option price shall become immediately due upon exercise of the option and, subject to the provisions of Article Three, Section I and the instrument evidencing the grant, shall be payable in one of the following alternative forms specified below:

- full payment in cash or check drawn to the Corporation's order;
- full payment in shares of Common Stock held for at least six (6) months and valued at fair market value on the Exercise Date (as such term is defined below);
- full payment in a combination of shares of Common Stock held for at least six (6) months and valued at fair market value on the Exercise Date and cash or check; or
- full payment through a broker-dealer sale and remittance procedure pursuant to which the Optionee (I) shall provide irrevocable written instructions to a Corporation-designated brokerage firm to effect the immediate sale of the purchased shares and remit to the Corporation, out of the sale proceeds available on the settlement date, sufficient funds to cover the aggregate option price payable for the purchased shares plus all applicable Federal and State income and employment taxes required to be withheld by the Corporation in connection with such purchase and (II) shall provide written directives to the Corporation to deliver the certificates for the purchased shares directly to such brokerage firm in order to complete the sale transaction.

For purposes of this subparagraph (2), the Exercise Date shall be the date on which written notice of the option exercise is delivered to the Corporation. Except to the extent the sale and remittance procedure is utilized in connection with the exercise of the option, payment of the option price for the purchased shares must accompany such notice.

(3) The fair market value per share of Common Stock on any relevant date under the Plan shall be determined in accordance with the following provisions:

- If the Common Stock is not at the time listed or admitted to trading on any national stock exchange but is traded on the Nasdaq National Market, the fair market value shall be the closing selling price per share of Common Stock on the date in question, as such price is reported by the National Association of Securities Dealers on the Nasdaq National Market System or any successor system. If there is no reported closing selling price for the Common Stock on the date in question, then the closing selling price on the last preceding date for which such quotation exists shall be determinative of fair market value.

- If the Common Stock is at the time listed or admitted to trading on any national stock exchange, then the fair market value shall be the closing selling price per share of Common Stock on the date in question on the stock exchange determined by the Plan Administrator to be the primary market for the Common Stock, as such price is officially quoted in the composite tape of transactions on such exchange. If there is no reported sale of Common Stock on such exchange on the date in question, then the fair market value shall be the closing selling price on the exchange on the last preceding date for which such quotation exists.

B. Term and Exercise of Options. Each option shall be exercisable at such time or times and during such period as is determined by the Plan Administrator and set forth in the stock option agreement evidencing the grant; provided that at least 75% of the options granted hereunder shall become exercisable ratably over a four year period from the date of grant, with the vesting interval (i.e., monthly, quarterly, etc.) and any period prior to the commencement of vesting determined in each case by the Plan Administrator. No such option, however, shall have a maximum term in excess of ten (10) years from the grant date. During the lifetime of the Optionee, the option shall be exercisable only by the Optionee and shall not be assignable or transferable by the Optionee otherwise than by will or by the laws of descent and distribution following the Optionee's death.

C. Termination of Service.

(1) Except to the extent otherwise provided pursuant to Section VI of this Article Two, the following provisions shall govern the exercise period applicable to any outstanding options under the Plan which are held by the Optionee at the time of his or her cessation of Service or death.

- Should the Optionee cease Service for any reason (including death or permanent disability as defined in Section 22(e)(3) of the Internal Revenue Code) while holding one or more outstanding options under the Plan, then none of those options shall (except to the extent otherwise provided pursuant to Section VI of this Article Two) remain exercisable beyond the limited post-Service period designated by the Plan Administrator at the time of the option grant and set forth in the option agreement.

- Any option granted to an Optionee under the Plan and exercisable in whole or in part on the date of the Optionee's death may be subsequently exercised, by the personal representative of the Optionee's estate or by the person or persons to whom the option is transferred pursuant to the Optionee's will or in accordance with the laws of descent and distribution, provided and only if such exercise occurs prior to the earlier of (i) the expiration of the period designated by the Plan Administrator at the time of the option grant and set forth in the option agreement, which may be any period from one month to three years measured from the date of the Optionee's death, or (ii) the specified expiration date of the option term. Upon the occurrence of the earlier event, the option shall terminate and cease to be exercisable.

- Under no circumstances, however, shall any such option be exercisable after the specified expiration date of the option term.

- During the limited post-Service exercise period, the option may not be exercised for more than the number of shares for which the option is exercisable on the date of the Optionee's cessation of Service. Upon the expiration of such limited exercise period or (if earlier) upon the expiration of the option term, the option shall terminate and cease to be exercisable. However, upon the Optionee's cessation of Service, each outstanding option at the time held by the Optionee shall immediately terminate and cease to be outstanding with respect to any shares for which the option is not otherwise at that time exercisable or in which the Optionee is not otherwise vested.

- Should (i) the Optionee's Service be terminated for misconduct (including, but not limited to, any act of dishonesty, willful misconduct, fraud or embezzlement) or (ii) the Optionee make any unauthorized use or disclosure of confidential information or trade secrets of the Corporation or its parent or subsidiary corporations, then in any such event all outstanding options held by the Optionee under this Article Two shall terminate immediately and cease to be exercisable.

(2) The Plan Administrator shall have complete discretion, exercisable either at the time the option is granted or at any time while the option remains outstanding, to permit one or more options held by the

Optionee under this Article Two to be exercised, during the limited period of exercisability provided under subparagraph (1) above, not only with respect to the number of shares for which each such option is exercisable at the time of the Optionee's cessation of Service but also with respect to one or more subsequent installments for which the option would otherwise have become exercisable had such cessation of Service not occurred.

(3) For purposes of the foregoing provisions of this Section I.C (and for all other purposes under the Plan):

- The Optionee shall (except to the extent otherwise specifically provided in the applicable option agreement) be deemed to remain in the Service of the Corporation for so long as such individual renders services on a periodic basis to the Corporation (or any parent or subsidiary corporation) in the capacity of an Employee, a non-employee member of the Board or an independent consultant or advisor.

- The Optionee shall be considered to be an Employee for so long as he or she remains in the employ of the Corporation or one or more parent or subsidiary corporations, subject to the control and direction of the employer entity not only as to the work to be performed but also as to the manner and method of performance.

#### D. Stockholder Rights.

An Optionee shall have no stockholder rights with respect to any shares covered by the option until such individual shall have exercised the option, paid the option price for the purchased shares and been issued a stock certificate for such shares.

#### E. Repurchase Rights.

The shares of Common Stock acquired upon the exercise of options granted under this Article Two may be subject to repurchase by the Corporation in accordance with the following provisions:

(a) The Plan Administrator shall have the discretion to authorize the issuance of unvested shares of Common Stock under this Article Two. Should the Optionee cease Service while holding such unvested shares, the Corporation shall have the right to repurchase any or all of those unvested shares at the option price paid per share. The terms and conditions upon which such repurchase right shall be exercisable (including the period and procedure for exercise and the appropriate vesting schedule for the purchased shares) shall be established by the Plan Administrator and set forth in the instrument evidencing such repurchase right.

(b) All of the Corporation's outstanding repurchase rights shall automatically terminate, and all shares subject to such terminated rights shall immediately vest in full, upon the occurrence of any Corporate Transaction under Section III of this Article Two, except to the extent:

(i) any such repurchase right is to be assigned to the successor corporation (or parent thereof) in connection with the Corporate Transaction or (ii) such termination is precluded by other limitations imposed by the Plan Administrator at the time the repurchase right is issued.

(c) The Plan Administrator shall have the discretionary authority, exercisable either before or after the Optionee's cessation of Service, to cancel the Corporation's outstanding repurchase rights with respect to one or more shares purchased or purchasable by the Optionee under this Article Two and thereby accelerate the vesting of such shares in whole or in part at any time.

## II. INCENTIVE OPTIONS

The terms and conditions specified below shall be applicable to all Incentive Options granted under the Plan. Incentive Options may only be granted to individuals who are Employees of the Corporation. Options which are specifically designated as "non- statutory" options when issued under the Plan shall not be subject to such terms and conditions.

A. Dollar Limitation. The aggregate fair market value (determined as of the respective date or dates of grant) of the Common Stock for which one or more options granted to any Employee after December 31, 1986 under this Plan (or any other option plan of the Corporation or its parent or subsidiary corporations) may for the first time become exercisable as incentive stock options under the Federal tax laws during any one calendar year shall not exceed the sum of One Hundred Thousand Dollars (\$100,000). To the extent the Employee holds two or more such options which become exercisable for the first time in the same calendar year, the foregoing limitation on the exercisability of such options as incentive stock options under the Federal tax laws shall be applied on the basis of the order in which such options are granted.

B. 10% Stockholder. If any individual to whom an Incentive Option is granted is the owner of stock (as determined under Section 424(d) of the Internal Revenue Code) possessing 10% or more of the total combined voting power of all classes of stock of the Corporation or any one of its parent or subsidiary corporations, then the option price per share shall not be less than one hundred and ten percent (110%) of the fair market value per share of Common Stock on the grant date, and the option term shall not exceed five (5) years, measured from the grant date.

Except as modified by the preceding provisions of this Section II, the provisions of Articles One, Two and Three of the Plan shall apply to all Incentive Options granted hereunder.

### **III. CORPORATE TRANSACTIONS/CHANGES IN CONTROL**

A. In the event of any of the following stockholder-approved transactions to which the Corporation is a party (a Corporate Transaction):

(i) a merger or consolidation in which the Corporation is not the surviving entity, except for a transaction the principal purpose of which is to change the State of the Corporation's incorporation,

(ii) the sale, transfer or other disposition of all or substantially all of the assets of the Corporation in liquidation or dissolution of the Corporation, or

(iii) any reverse merger in which the Corporation is the surviving entity but in which securities possessing more than fifty percent (50%) of the total combined voting power of the Corporation's outstanding securities are transferred to holders different from those who held such securities immediately prior to such merger,

then the exercisability of each option outstanding under the Plan shall automatically accelerate so that each such option shall, immediately prior to the specified effective date for the Corporate Transaction, become fully exercisable with respect to the total number of shares of Common Stock at the time subject to such option and may be exercised for all or any portion of such shares. However, an outstanding option under this Article Two shall not so accelerate if and to the extent: (i) such option is, in connection with the Corporate Transaction, to be assumed by the successor corporation or parent thereof or replaced with a comparable option to purchase shares of the capital stock of the successor corporation or parent thereof, (ii) such option is to be replaced by a comparable cash incentive program of the successor corporation based on the option spread at the time of the Corporate Transaction, or (iii) the acceleration of such option is subject to other limitations imposed by the Plan Administrator at the time of the option grant. The determination of comparability under clause (i) or (ii) above shall be made by the Plan Administrator, and its determination shall be final, binding and conclusive.

B. Immediately after the consummation of the Corporate Transaction, all outstanding options under the Plan shall terminate and cease to be outstanding, except to the extent assumed by the successor corporation or its parent company.

C. Each outstanding option under the Plan which is assumed in connection with the Corporate Transaction or is otherwise to continue in effect shall be appropriately adjusted, immediately after such Corporate Transaction, to apply and pertain to the number and class of securities which would have been issued to the option holder, in consummation of such Corporate Transaction, had such person exercised the option immediately prior to such Corporate Transaction. Appropriate adjustments shall also be made to the option price payable per share, provided the aggregate option price payable for such securities shall remain the same. In addition, the maximum number and/or class of securities available for issuance under the Plan, the maximum number and/or class of

securities which may be issued pursuant to Incentive Options granted under the Plan, whether before or after the first day of the 1995 fiscal year, and the total number and/or class of securities for which stock options and separately-exercisable stock appreciation rights may be granted to any one participant in the Plan after December 31, 1993 shall be appropriately adjusted following the consummation of the Corporate Transaction to reflect the effect of such transaction upon the Corporation's capital structure.

D. The grant of options under the Plan shall in no way affect the right of the Corporation to adjust, reclassify, reorganize or otherwise change its capital or business structure or to merge, consolidate, dissolve, liquidate or sell or transfer all or any part of its business or assets.

E. The Plan Administrator shall have the discretionary authority, exercisable at the time the option is granted or at any time while the option remains outstanding, to provide for the automatic acceleration of one or more outstanding options under this Article Two (and the termination of one or more of the Corporation's outstanding repurchase rights under this Article Two) upon the occurrence of a Change in Control. Alternatively, the Plan Administrator shall have full power and authority to condition any such option acceleration (and the termination of any outstanding repurchase rights) upon the subsequent termination of the Optionee's Service within a specified period following the Change in Control.

F. For purposes of this Section III, a Change in Control shall be deemed to occur in the event:

(i) any person or related group of persons (other than the Corporation or a person that directly or indirectly controls, is controlled by, or is under common control with, the Corporation) directly or indirectly acquires beneficial ownership (within the meaning of Rule 13d-3 of the 1934 Act) of securities possessing more than fifty percent (50%) of the total combined voting power of the Corporation's outstanding securities pursuant to a tender or exchange offer made directly to the Corporation's stockholders which the Board does not recommend such stockholders to accept; or

(ii) there is a change in the composition of the Board over a period of twenty-four (24) consecutive months or less such that a majority of the Board members ceases, by reason of one or more proxy contests for the election of Board members, to be comprised of individuals who either (A) have been Board members continuously since the beginning of such period or (B) have been elected or nominated for election as Board members during such period by at least a majority of the Board members described in clause (A) who were still in office at the time such election or nomination was approved by the Board.

G. Any options accelerated in connection with the Change in Control shall remain fully exercisable until the expiration or sooner termination of the option term.

H. The exercisability as incentive stock options under the Federal tax laws of any options accelerated under this Section III in connection with a Corporate Transaction or Change in Control shall remain subject to the dollar limitation of Section II of this Article Two.

**IV. [Intentionally Omitted.]**

## **V. STOCK APPRECIATION RIGHTS**

A. Provided and only if the Plan Administrator determines in its discretion to implement the stock appreciation right provisions of this Section V, one or more Optionees may be granted the right, exercisable upon such terms and conditions as the Plan Administrator may establish, to surrender all or part of an unexercised option under this Article Two in exchange for a distribution from the Corporation in an amount equal to the excess of (i) the fair market value (on the option surrender date) of the number of shares in which the Optionee is at the time vested under the surrendered option (or surrendered portion thereof) over (ii) the aggregate option price payable for such vested shares.

B. No surrender of an option shall be effective hereunder unless it is approved by the Plan Administrator. If the surrender is so approved, then the distribution to which the Optionee shall accordingly become entitled under this Section V may be made in shares of Common Stock valued at fair market value on the option



surrender date, in cash, or partly in shares and partly in cash, as the Plan Administrator shall in its sole discretion deem appropriate.

C. If the surrender of an option is rejected by the Plan Administrator, then the Optionee shall retain whatever rights the Optionee had under the surrendered option (or surrendered portion thereof) on the option surrender date and may exercise such rights at any time prior to the later of (i) five (5) business days after the receipt of the rejection notice or (ii) the last day on which the option is otherwise exercisable in accordance with the terms of the instrument evidencing such option, but in no event may such rights be exercised more than ten (10) years after the date of the option grant.

D. One or more officers of the Corporation subject to the short-swing profit restrictions of the Federal securities laws may, in the Plan Administrator's sole discretion, be granted limited stock appreciation rights in tandem with their outstanding options under the Plan. Upon the occurrence of a Hostile Take-Over effected at any time when the Corporation's outstanding Common Stock is registered under Section 12(g) of the 1934 Act, each outstanding option with such a limited stock appreciation right in effect for at least six (6) months shall automatically be cancelled, to the extent such option is at the time exercisable for fully-vested shares of Common Stock. The Optionee shall in return be entitled to a cash distribution from the Corporation in an amount equal to the excess of (i) the Take-Over Price of the vested shares of Common Stock at the time subject to the cancelled option (or cancelled portion of such option) over (ii) the aggregate exercise price payable for such shares. The cash distribution payable upon such cancellation shall be made within five (5) days following the consummation of the Hostile Take-Over. Neither the approval of the Plan Administrator nor the consent of the Board shall be required in connection with such option cancellation and cash distribution. The uncanceled portion of the option (if any) shall continue to remain outstanding and become exercisable in accordance with the terms of the agreement evidencing that grant.

E. For purposes of Section V.D, the following definitions shall be in effect:

A Hostile Take-Over shall be deemed to occur in the event (i) any person or related group of persons (other than the Corporation or a person that directly or indirectly controls, is controlled by, or is under common control with, the Corporation) directly or indirectly acquires beneficial ownership (within the meaning of Rule 13d-3 of the 1934 Act) of securities possessing more than fifty percent (50%) of the total combined voting power of the Corporation's outstanding securities pursuant to a tender or exchange offer made directly to the Corporation's stockholders which the Board does not recommend such stockholders to accept and (ii) more than fifty percent (50%) of the securities so acquired in such tender or exchange offer are accepted from holders other than Corporation officers and directors participating in the Plan.

The Take-Over Price per share shall be deemed to be equal to the greater of (a) the fair market value per share on the date of cancellation, as determined pursuant to the valuation provisions of Section I.A. (3) of this Article Two, or (b) the highest reported price per share of Common Stock paid in effecting such Hostile Take-Over. However, if the cancelled option is an Incentive Option, the Take-Over Price shall not exceed the clause (a) price per share.

F. The shares of Common Stock subject to any option surrendered or cancelled for an appreciation distribution pursuant to this Section V shall not be available for subsequent option grant under the Plan.

## **VI. EXTENSION OF EXERCISE PERIOD**

The Plan Administrator shall have full power and authority to extend the period of time for which any option granted under this Article Two is to remain exercisable following the Optionee's cessation of Service or death from the limited period in effect under Section I.C.(1) of this Article Two to such greater period of time as the Plan Administrator shall deem appropriate; provided, however, that in no event shall such option be exercisable after the specified expiration date of the option term.

## **ARTICLE THREE MISCELLANEOUS**

**I. [Intentionally Omitted.]**

**II. AMENDMENT OF THE PLAN AND AWARDS**

A. The Board has complete and exclusive power and authority to amend or modify the Plan in any or all respects whatsoever. However, no such amendment or modification may adversely affect the rights and obligations of an Optionee with respect to options at the time outstanding under the Plan, unless the Optionee consents to such amendment. In addition, the Board may not, without the approval of the Corporation's stockholders, amend the Plan to (i) materially increase the maximum number of shares issuable under the Plan, the maximum number of shares issuable pursuant to Incentive Options granted under the Plan on or after the first day of the 1995 fiscal year or the number of shares for which any one individual participating in the Plan may be granted stock options and separately-exercisable stock appreciation rights in the aggregate after December 31, 1993 (except for permissible adjustments under Article One, Section IV) or (ii) materially modify the eligibility requirements for participation in the Plan or the benefits accruing to Optionees under the Plan.

B. Options to purchase shares of Common Stock may be granted in excess of the number of shares then available for issuance under the Plan, provided any excess shares actually issued are held in escrow until stockholder approval is obtained for a sufficient increase in the number of shares available for issuance under the Plan. If such stockholder approval is not obtained within twelve (12) months after the date the first such excess option grants are made, then (I) any unexercised excess options shall terminate and cease to be exercisable and (II) the Corporation shall promptly refund the purchase price paid for any excess shares actually issued under the Plan and held in escrow, together with interest (at the applicable Short Term Federal Rate) for the period the shares were held in escrow.

**III. EFFECTIVE DATE AND TERM OF PLAN**

A. The Plan was initially adopted by the Board effective February 24, 1992. The Plan was amended by the Board on July 29, 1992, October 28, 1992, October 27, 1993, October 27, 1994, November 1, 1995, May 1, 1996, May 3, 1996, October 30, 1996 and January 11, 2000.

B. Each option issued and outstanding under the 1988 Plan immediately prior to the Effective Date of this Plan shall be incorporated into this Plan and treated as an outstanding option under this Plan, but each such option shall continue to be governed solely by the terms and conditions of the instrument evidencing such grant, and nothing in this Plan shall be deemed to affect or otherwise modify the rights or obligations of the holders of such options with respect to their acquisition of shares of Common Stock thereunder. Each unvested share of Common Stock outstanding under the 1988 Plan on the Effective Date of this Plan shall continue to be governed solely by the terms and conditions of the instrument evidencing such share issuance, and nothing in this Plan shall be deemed to affect or otherwise modify the rights or obligations of the holder of such unvested shares.

C. The sale and remittance procedure authorized for the exercise of outstanding options under this Plan shall be available for all options granted under this Plan on or after the Effective Date and for all non-statutory options outstanding under the 1988 Plan and incorporated into this Plan. The Plan Administrator may also allow such procedure to be utilized in connection with one or more disqualifying dispositions of Incentive Option shares effected after the Effective Date, whether such Incentive Options were granted under this Plan or the 1988 Plan.

D. The option/vesting acceleration provisions of Section III of Article Two relating to Corporate Transactions and Changes in Control may, in the Plan Administrator's discretion, be extended to one or more stock options which are outstanding under the 1988 Plan on the Effective Date of this Plan but which do not otherwise provide for such acceleration.

E. The Plan shall terminate upon the earlier of (i) January 13, 2002 or (ii) the date on which all shares available for issuance under the Plan shall have been issued or cancelled pursuant to the exercise, surrender or cash-out of the outstanding options under the Plan. If the date of termination is determined under clause (i) above, then all option grants outstanding on such date shall thereafter continue to have force and effect in accordance with the provisions of the instruments evidencing such grants.

#### **IV. USE OF PROCEEDS**

Any cash proceeds received by the Company from the sale of shares under the Plan shall be used for general corporate purposes.

#### **V. REGULATORY APPROVALS**

A. The implementation of the Plan, the granting of any option under the Plan and the issuance of Common Stock upon the exercise or surrender of the option grants made hereunder shall be subject to the Corporation's procurement of all approvals and permits required by regulatory authorities having jurisdiction over the Plan, the options granted under it, and the Common Stock issued pursuant to it.

B. No shares of Common Stock or other assets shall be issued or delivered under this Plan unless and until there shall have been compliance with all applicable requirements of Federal and State securities laws, including the filing and effectiveness of the Form S8 registration statement for the shares of Common Stock issuable under the Plan, and all applicable listing requirements of any securities exchange on which stock of the same class is then listed.

#### **VI. NO EMPLOYMENT/SERVICE RIGHTS**

Neither the action of the Company in establishing the Plan, nor any action taken by the Plan Administrator hereunder, nor any provision of the Plan shall be construed so as to grant any individual the right to remain in the employ or service of the Corporation (or any parent or subsidiary corporation) for any period of specific duration, and the Corporation (or any parent or subsidiary corporation retaining the services of such individual) may terminate such individual's employment or service at any time and for any reason, with or without cause.

#### **VII. MISCELLANEOUS PROVISIONS**

A. The right to acquire Common Stock or other assets under the Plan may not be assigned, encumbered or otherwise transferred by any Optionee.

B. The provisions of the Plan shall be governed by the laws of the State of California, as such laws are applied to contracts entered into and performed in such State.

C. The provisions of the Plan shall inure to the benefit of, and be binding upon, the Corporation and its successors or assigns, whether by Corporate Transaction or otherwise, and the Optionees, the legal representatives of their respective estates, their respective heirs or legatees and their permitted assignees.

**Exhibit 10.2**

**SYNOPSYS, INC.**

**EMPLOYEE STOCK PURCHASE PLAN**

(As amended on August 1, 1999, January 11, 2001,  
March 8, 2000 and February 28, 2001)

I. **PURPOSE**

The Synopsys, Inc. Employee Stock Purchase Plan (the "Plan") is intended to provide Eligible Employees of the Company and one or more of its Corporate Affiliates with the opportunity to acquire a proprietary interest in the Company through the periodic application of their payroll deductions to the purchase of shares of the Company's common stock.

II. **DEFINITIONS**

For purposes of plan administration, the following terms shall have the meanings indicated.

**Base Salary** means all compensation paid as wages, salaries, commissions, overtime, and bonuses (other than bonuses subject to repayment as a result of a specified future event), but excluding all of the following items (even if included in taxable income): reimbursements, car allowances or other expense allowances, severance pay, fringe benefits (cash and noncash), moving expenses, deferred compensation, income attributable to stock options, restricted stock grants, SARs and other equity-related incentive programs, and welfare benefits.

**Code** means the Internal Revenue Code of 1986, as amended from time to time.

**Company** means Synopsys, Inc., a Delaware corporation, and any corporate successor to all or substantially all of the assets or voting stock of Synopsys, Inc. which shall by appropriate action adopt the Plan.

**Common Stock** means shares of the Company's common stock.

**Corporate Stock** means shares of the Company's common stock.

**Corporate Affiliate** means any company which is a parent or subsidiary corporation of the Company (as determined in accordance with Code Section 424), including any parent or subsidiary corporation which becomes such after the Effective Date.

**Effective Date** means the first day of the initial offering period scheduled to commence upon the later of (i) February 1, 1992 or (ii) the effective date of the S-8 Registration Statement covering the share of Common Stock issuable under the Plan. However, for any Corporate Affiliate which becomes a participating Company in the Plan after the first day of the initial offering period, a subsequent Effective Date shall be designated with respect to participation by its Eligible Employees.

**Eligible Employee** means any person who is engaged, on a regularly-scheduled basis of more than twenty (20) hours per week and more than five (5) months per calendar year, in the rendition of personal services to the Company or any other Participating Company for earnings considered wages under Section 3121(a) of the Code.

**Enrollment Date** has the meaning ascribed to it in Section V.A.

**Participant** means any Eligible Employee of a Participating Company who is actively participating in the Plan.

**Participating Company** means the Company and such Corporate Affiliate or Affiliates as may be designated from time to time by the Board.

Semi-Annual Entry Date means (i) during 1999 and each preceding calendar year within an offering period in effect under the Plan, the first business day of May and the first business day of November and (ii) during 2000 and all subsequent calendar years within an offering period under the Plan, the first business day of March and the first business day of September. The earliest Semi-Annual Entry Date under the Plan shall be November 2, 1992.

Semi-Annual Period of Participation means each period for which the Participant actually participates in an offering period in effect under the Plan. There shall be a maximum of four (4) periods of participation within each offering period. Except as otherwise designated by the Plan Administrator, each such period shall commence on the applicable Semi-Annual Entry Date.

Semi-Annual Purchase Date means (i) during 1999 and each preceding year on which shares of Common Stock are automatically purchased for Participants under the Plan, the last business day of April and October, and (ii) during 2000 and each subsequent year on which shares of Common Stock are automatically purchased for Participants under the Plan, the last business day of February and August.

### III. ADMINISTRATION

The Plan shall be administered by the Board of Directors of the Company or a committee that will satisfy Rule 16b-3 of the Securities and Exchange Commission, as in effect with respect to the Company from time to time (in either case, the "Board"). The Board may from time to time select a committee or persons (the "Plan Administrator") to be responsible for any transactions not subject to Rule 16b-3. Subject to the express provisions of the Plan, to the overall supervision of the Board, and to the limitations of Section 423 of the Code, the Plan Administrator may administer, interpret and amend the Plan in any manner it believes to be desirable (including amendments to outstanding options/purchase rights and the designation of a brokerage firm at which accounts for the holding of shares purchased under the Plan must be established by each employee desiring to participate in the Plan), and any such interpretation shall be final and binding on all parties who have an interest in the Plan; provided, however, that the Plan Administrator may not, without the approval of the Company's Board, (i) increase the number of shares issuable under the Plan or the maximum number of shares which may be purchased per Participant or in the aggregate during any one Semi-Annual Period of Participation under the Plan, except that the Plan Administrator shall have the authority, exercisable without such stockholder approval, to effect adjustments to the extent necessary to reflect changes in the Company's capital structure pursuant to Section VI.B;(ii) alter the purchase price formula so as to reduce the purchase price payable for the shares issuable under the Plan; or (iii) materially increase the benefits accruing to Participants under the Plan or materially modify the requirements for eligibility to participate in the Plan

### IV. OFFERING PERIODS

The Plan shall be implemented in a series of offering periods. Each offering period shall be of a duration of twenty-four (24) months or less as designated by the Plan Administrator prior to the start date of any offering period, except that offering periods that include the Semi-Annual Entry Date on November 1, 1999 shall be of a duration of twenty-two (22) months. Within each offering period, there shall be a maximum of four (4) Semi-Annual Periods of Participation.

### V. ELIGIBILITY AND PARTICIPATION

A. Each Eligible Employee will be automatically enrolled in the Plan in the offering period that begins on the first Semi-Annual Entry Date following the commencement of employment; thereafter, any Eligible Employee may enroll or re-enroll in the Plan in the offering period that begins as of any Semi-Annual Entry Date, or such other days as may be established by the Board from time to time (each, an "Enrollment Date"). To participate, an Eligible Employee must complete, sign, and submit to the Company an enrollment form prescribed by the Plan Administrator. Any enrollment form received by the Company by the 15th day of the month preceding an Enrollment Date (or by the Enrollment Date in the case of employees hired after such 15th day), or such other date established by the Plan Administrator from time to time, will be effective on that Enrollment Date. Enrollment or re-enrollment by a Participant in the Plan on an Enrollment Date will constitute the grant by the Company to the Participant of an option to purchase shares of Common Stock from the Company under the Plan. At the end of each offering period, each Participant who has not withdrawn from the Plan will automatically be re-enrolled in the Plan in the offering period that begins on the Enrollment Date immediately following the date on which the option expires. Furthermore, except as may otherwise be determined by the Plan Administrator, each Participant who has

not withdrawn from the Plan will automatically be re-enrolled in the Plan in each offering period that begins on an Enrollment Date on which the fair market value per share of the Company's Common Stock is lower than the fair market value per share of the Company's Common Stock on the Enrollment Date for the offering period in which the Participant is then enrolled. Notwithstanding anything in the Plan to the contrary, if the fair market value (the "Authorization Date FVM") on the date (the "Authorization Date") on which additional shares of Common Stock are authorized for issuance hereunder by the Company's shareholders is higher than the fair market value at the beginning of any Offering Period that commenced prior to the Authorization Date, then, with respect to any of such authorized shares available to be issued on Purchase Dates relating to such Offering Period, the Authorization Date FVM shall be used instead of the fair market value on the Enrollment Date for the purposes of the preceding sentence, provided that the Plan Administrator, in its discretion, may waive application of this sentence with respect to the first Purchase Date occurring after the Authorization Date.

B. The payroll deduction authorized by the Participant for purposes of acquiring shares of Common Stock under the Plan may be zero percent (0%) or any whole multiple of one percent (1%) of the Base Salary paid to the Participant during each Semi-Annual Period of Participation within the offering period, up to a maximum of ten percent (10%). The deduction rate so authorized shall continue in effect for the entire Semi-Annual Period of Participation and for each successive Semi-Annual Period of Participation unless (i) the Participant shall change the rate for a subsequent Semi-Annual Period of Participation by filing the appropriate form with the Plan Administrator prior to the commencement of that Semi-Annual Period of Participation or (ii) the Participant shall change the rate within a Semi-Annual Period of Participation by filing the appropriate form with the Plan Administrator. The new rate shall become effective as soon as practicable following the filing of such form. A Participant may not increase or decrease the deduction rate more than once per Semi-Annual Period of Participation in addition to fixing the rate at the beginning of the Semi-Annual Period of Participation. Payroll deductions, however, will automatically cease upon the termination of the Participant's purchase right in accordance with Article VII below.

C. In no event may any Participant's payroll deductions for any one Semi-Annual Period of Participation exceed Seven Thousand Five Hundred Dollars (\$7,500.00).

## VI. STOCK SUBJECT TO PLAN

A. The Common Stock purchasable by Participants under the Plan shall, solely in the discretion of the Plan Administrator, be made available from either authorized but unissued shares of the Common Stock or from shares of Common Stock reacquired by the Company, including shares of Common Stock purchased on the open market. The total number of shares which may be issued under the Plan shall not exceed 7,050,000 shares, less any shares sold under the Synopsys, Inc. International Employee Stock Purchase Plan (subject to adjustment under Section VI.B below).

B. In the event any change is made to the Company's outstanding Common Stock by reason of any stock dividend, stock split, combination of shares or other change affecting such outstanding Common Stock as a class without receipt of consideration, then appropriate adjustments shall be made by the Plan Administrator to (i) the class and maximum number of shares issuable over the term of the Plan, (ii) the class and maximum number of shares purchasable per Participant during each Semi-Annual Period of Participation, (iii) the class and maximum number of shares purchasable in the aggregate by all Participants on any one purchase date under the Plan and (iv) the class and number of shares and the price per share of the Common Stock subject to each purchase right at the time outstanding under the Plan. Such adjustments shall be designed to preclude the dilution or enlargement of rights and benefits under the Plan.

## VII. PURCHASE RIGHTS

An Employee who participates in the Plan for a particular offering period shall have the right to purchase shares of Common Stock, in a series of successive installments during such offering period, upon the terms and conditions set forth below and shall execute a purchase agreement embodying such terms and conditions and such other provisions (not inconsistent with the Plan) as the Plan Administrator may deem advisable.

Purchase Price. Common Stock shall be issuable on each Semi-Annual Purchase Date at a purchase price equal to 85 percent of the lower of (i) the fair market value per share on the Participant's Enrollment Date or (ii) the fair market value per share on the Semi-Annual Purchase Date. Notwithstanding anything in the Plan to the contrary, if the Authorization Date FVM is higher than the fair market value at the beginning of any Offering Period that commenced prior to the Authorization Date, then, with respect to any of such authorized shares available to be

issued on Purchase Dates relating to such Offering Period, the Authorization Date FMV shall be used instead of the fair market value on the Enrollment Date for the purposes of clause (i) of the preceding sentence, provided that the Plan Administrator, in its discretion, may waive application of this sentence with respect to the first Purchase Date occurring after the Authorization Date.

Valuation. For purposes of determining the fair market value per share of Common Stock on any relevant date, the following procedures shall be in effect:

(i) If such fair market value is to be determined on any date on or after the date the Common Stock is first registered under Section 12(g) of the Securities Exchange Act of 1934, then the fair market value shall be the closing selling price on that date, as officially quoted on the Nasdaq National Market System. If there is no quoted selling price for such date, then the closing selling price on the next preceding day for which there does exist such a quotation shall be determinative of fair market value.

(ii) If such fair market value is to be determined on any date prior to the time of such Section 12(g) registration of the Common Stock, then the fair market value of the Common Stock on such date shall be determined by the Plan Administrator, after taking into account such factors as the Plan Administrator deems appropriate.

Number of Purchasable Shares. The number of shares purchasable per Participant on each Semi-Annual Purchase Date shall be the number of whole shares obtained by dividing the amount collected from the Participant through payroll deductions during the corresponding Semi-Annual Period of Participation by the purchase price in effect for the Semi-Annual Purchase Date. However, no Participant may, during any Semi-Annual Purchase Period, purchase more than 2,000 shares of Common Stock, subject to periodic adjustment under Section VI.B.

Under no circumstances shall purchase rights be granted under the Plan to any Eligible Employee if such individual would, immediately after the grant, own (within the meaning of Code Section 424(d)) or hold outstanding options or other rights to purchase, stock possessing five percent (5%) or more of the total combined voting power or value of all classes of stock of the Company or any of its Corporate Affiliates.

Payment. Payment for the Common Stock purchased under the Plan shall be effected by means of the Participant's authorized payroll deductions. Such deductions shall begin on the first pay day coincident with or immediately following the Participant's Enrollment Date and shall (unless sooner terminated by the Participant) continue through the pay day ending with or immediately prior to the last day of the offering period.

The amounts so collected shall be credited to the Participant's book account under the Plan, but no interest shall be paid on the balance from time to time outstanding in such account. The amounts collected from a Participant may be commingled with the general assets of the Company and may be used for general corporate purposes.

Termination of Purchase Right. The following provisions shall govern the termination of outstanding purchase rights:

(i) A Participant may, at any time prior to the last five (5) business days of the Semi-Annual Period of Participation, terminate his/her outstanding purchase right under the Plan by filing the prescribed notification form with the Plan Administrator. No further payroll deductions shall be collected from the Participant with respect to the terminated purchase right, and any payroll deductions collected for the Semi-Annual Period of Participation in which such termination occurs shall, at the Participant's election, be immediately refunded or held for the purchase of shares on the next Semi-Annual Purchase Date. If no such election is made, then such funds shall be refunded as soon as possible after the close of such Semi-Annual Period of Participation.

(ii) The termination of such purchase right shall be irrevocable, and the Participant may not subsequently rejoin the offering period for which such terminated purchase right was granted. In order to resume participation in any subsequent offering period, such individual must re-enroll in the Plan in accordance with Section V.A.

(iii) Should a Participant cease to remain an Eligible Employee while his/her purchase right remains outstanding or should there otherwise occur a change in such individual's employee status so that he/she is no longer an Eligible Employee while holding such purchase right, then such purchase right shall immediately terminate upon such termination of service or change in status and all sums previously collected from the Participant during the Semi-Annual Period of Participation in which the purchase right so terminates shall be promptly refunded to the Participant. However, should the Participant die or become permanently disabled while in service or should the Participant cease employment by reason of a leave of absence, then the Participant (or the person or persons to whom the rights of the deceased Participant under the Plan are transferred by will or the laws of inheritance) shall have the election, exercisable up until the end of the Semi-Annual Period of Participation in which the Participant dies or becomes permanently disabled or in which the leave of absence commences, to (i) withdraw all the funds credited to the Participant's account at the time of his/her cessation of service or at the commencement of such leave or (ii) have such funds held for the purchase of shares of Common Stock at the next Semi-Annual Purchase Date. If no such election is made, then such funds shall automatically be held for the purchase of shares of Common Stock at the next Semi-Annual Purchase Date. In no event, however, shall any further payroll deductions be added to the Participant's account following his/her cessation of service or the commencement of such leave. Should the Participant return to active service following a leave of absence, then his/her payroll deductions under the Plan shall automatically resume at the rate in effect at the time the leave began, provided such return to service occurs prior to the end of the offering period in which such leave began. For purpose of the Plan: (i) the Participant shall be considered to remain in service for so long as such Participant remains in the active employ of the Company or one or more other Participating Companies and (ii) the Participant shall be deemed to be permanently disabled if he/she is unable to engage in any substantial gainful employment, by reason of any medically determinable physical or mental impairment expected to result in death or to be of continuous duration of at least twelve (12) months.

Stock Purchase. Shares of Common Stock shall automatically be purchased on behalf of each Participant (other than Participants whose payroll deductions have previously been refunded or set aside for refund in accordance with the "Termination of Purchase Right" provisions above) on each Semi-Annual Purchase Date. The purchase shall be effected by applying each Participant's payroll deductions for the Semi-Annual Period of Participation ending on such Semi-Annual Purchase Date ( ) to the purchase of whole shares of Common Stock (subject to the limitation on the maximum number of purchasable shares set forth above) at the purchase price in effect for such Semi-Annual Period of Participation. Any payroll deductions not applied to such purchase (a) because they are not sufficient to purchase a whole share or (b) by reason of the limitation on the maximum number of shares purchasable by the Participant for that Semi-Annual Period of Participation shall be promptly refunded to the Participant.

Proration of Purchase Rights. Not more than 500,000 shares of Common Stock, subject to periodic adjustment under Section VI.B, may be purchased in the aggregate by all Participants on any one Semi-Annual Purchase Date. Should the total number of shares of Common Stock which are to be purchased pursuant to outstanding purchase rights on any particular date exceed either (i) the maximum limitation on the number of shares purchasable in the aggregate on such date or (ii) the number of shares then available for issuance under the Plan, the Plan Administrator shall make a pro-rata allocation of the available shares on a uniform and non-discriminatory basis, and the payroll deductions for each Participant, to the extent in excess of the aggregate purchase price payable for the Common Stock pro-rated to such individual, shall be refunded to such Participant.

Rights as Stockholder. A Participant shall have no stockholder rights with respect to the shares subject to his/her outstanding purchase right until the shares are actually purchased on the Participant's behalf in accordance with the applicable provisions of the Plan. No adjustments shall be made for dividends, distributions or other rights for which the record date is prior to the date of such purchase.

Assignability. No purchase right granted under the Plan shall be assignable or transferable by the Participant other than by will or by the laws of descent and distribution following the participant's death, and during the Participant's lifetime the purchase right shall be exercisable only by the Participant.



Change in Ownership. Should the Company or its stockholders enter into an agreement to dispose of all or substantially all of the assets or outstanding capital stock of the Company by means of:

(i) a sale, merger or other reorganization in which the Company will not be the surviving corporation (other than a reorganization effected primarily to change the State in which the Company is incorporated), or

(ii) a reverse merger in which the Company is the surviving corporation but in which more than fifty percent (50%) of the Company's outstanding voting stock is transferred to holders different from those who held the stock immediately prior to the reverse merger, then all outstanding purchase rights under the Plan shall automatically be exercised immediately prior to the consummation of such sale, merger, reorganization or reverse merger by applying the payroll deductions of each Participant for the Semi-Annual Period of participation in which such transaction occurs to the purchase of whole shares of Common Stock at eighty-five percent (85%) of the lower of (i) the fair market value of the Common Stock on the Participant's Enrollment Date for the offering period in which such transaction occurs or (ii) the fair market value of the Common Stock immediately prior to the consummation of such transaction. However, the applicable share limitations of Articles VII and VIII shall continue to apply to any such purchase, and the clause (i) amount above shall not, for any Participant whose Enrollment Date for the offering period is other than the start date of such offering period, be less than the fair market value of the Common Stock on such start date.

The Company shall use its best efforts to provide at least ten (10) days' advance written notice of the occurrence of any such sale, merger, reorganization or reverse merger, and Participants shall, following the receipt of such notice, have the right to terminate their outstanding purchase rights in accordance with the applicable provisions of this Article VII.

#### VIII. ACCRUAL LIMITATIONS

A. No Participant shall be entitled to accrue rights to acquire Common Stock pursuant to any purchase right outstanding under this Plan if and to the extent such accrual, when aggregated with (I) rights to purchase Common Stock accrued under any other purchase right outstanding under this Plan and (II) similar rights accrued under other employee stock purchase plans (within the meaning of Section 423 of the Code) of the Company or its Corporate Affiliates, would otherwise permit such Participant to purchase more than \$25,000 worth of stock of the Company or any Corporate Affiliate (determined on the basis of the fair market value of such stock on the date or dates such rights are granted to the Participant) for each calendar year such rights are at any time outstanding.

B. For purposes of applying such accrual limitations, the right to acquire Common Stock pursuant to each purchase right outstanding under the Plan shall accrue as follows:

(i) The right to acquire Common Stock under each such purchase right shall accrue in a series of successive semi-annual installments as and when the purchase right first becomes exercisable for each semi-annual installment on the last business day of each Semi-Annual Period of Participation for which the right remains outstanding.

(ii) No right to acquire Common Stock under any outstanding purchase right shall accrue to the extent the Participant has already accrued in the same calendar year the right to acquire \$25,000 worth of Common Stock (determined on the basis of the fair market value on the date or dates of grant) pursuant to one or more purchase rights held by the Participant during such calendar year.

(iii) If by reason of such accrual limitations, any purchase right of a Participant does not accrue for a particular Semi-Annual Period of Participation, then the payroll deductions which the Participant made during that Semi-Annual Period of Participation with respect to such purchase right shall be promptly refunded.

C. In the event there is any conflict between the provisions of this Article VIII and one or more provisions of the Plan or any instrument issued thereunder, the provisions of this Article VIII shall be controlling.

IX. STATUS OF PLAN UNDER FEDERAL TAX LAWS

The Plan is designed to qualify as an employee stock purchase plan under Code Section 423.

X. AMENDMENT AND TERMINATION

A. The Board may amend, alter, suspend, discontinue, or terminate the Plan at any time, including amendments to outstanding options/purchase rights. However, the Board may not, without the approval of the Company's stockholders:

(i) Increase the number of shares issuable under the Plan or the maximum number of shares which may be purchased per Participant or in the aggregate during any one Semi-Annual Period of Participation under the Plan, except that the Plan Administrator shall have the authority, exercisable without such stockholder approval, to effect adjustments to the extent necessary to reflect changes in the Company's capital structure pursuant to Section VI.B;

(ii) alter the purchase price formula so as to reduce the purchase price payable for the shares issuable under the Plan; or

(iii) materially increase the benefits accruing to Participants under the Plan or materially modify the requirements for eligibility to participate in the Plan.

B. The Board may elect to terminate any or all outstanding purchase rights at any time. In the event the Plan is terminated, the Board may also elect to terminate outstanding purchase rights either immediately or upon completion of the purchase of shares on the next Semi-Annual Purchase Date, or may elect to permit purchase rights to expire in accordance with their terms (and participation to continue through such expiration dates). If purchase rights are terminated prior to expiration, all funds contributed to the Plan that have not been used to purchase shares shall be returned to the Participants as soon as administratively feasible.

IX. GENERAL PROVISIONS

A. The Plan shall become effective on the designated Effective Date, provided that no offering period shall commence, and no shares of Common Stock shall be issued hereunder, until (i) the Plan shall have been approved by the stockholders and (ii) the Company shall have complied with all applicable requirements of the Securities Act of 1933 (as amended), all applicable listing requirements of any securities exchange on which shares of the Common Stock are listed and all other applicable requirements established by law or regulation. In the event such stockholder approval is not obtained, or such Company compliance is not effected, within twelve (12) months after the date on which the Plan is adopted by the Board, the Plan shall terminate and have no further force of effect.

B. All costs and expenses incurred in the administration of the Plan shall be paid by the Company.

C. Neither the action of the Company in establishing the Plan, nor any action taken under the Plan by the Board or the Plan Administrator, nor any provision of the Plan itself shall be construed so as to grant any person the right to remain in the employ of the Company or any of its Corporate Affiliates for any period of specific duration, and such person's employment may be terminated at any time, with or without cause.

D. The provisions of the Plan shall be governed by the laws of the State of California without resort to that State's conflict-of-laws rules.

**Exhibit 10.3**

**SYNOPSYS, INC.**

**INTERNATIONAL EMPLOYEE STOCK PURCHASE PLAN**

(As amended on August 1, 1999, January 11, 2001,  
March 8, 2000 and February 28, 2001)

I. PURPOSE

The Synopsys, Inc. International Employee Stock Purchase Plan (the "Plan") is intended to provide Eligible Employees of designated subsidiaries of the Company with the opportunity to acquire a proprietary interest in the Company through the periodic application of their payroll deductions to the purchase of shares of the Company's common stock.

II. DEFINITIONS

For purposes of plan administration, the following terms shall have the meanings indicated:

Base Salary means all compensation paid as wages, salaries, commissions, overtime, and bonuses (other than bonuses subject to repayment as a result of a specified future event), but excluding all of the following items (even if included in taxable income): reimbursements, car allowances or other expense allowances, severance pay, fringe benefits (cash and noncash), moving expenses, deferred compensation, income attributable to stock options, restricted stock grants, SARs and other equity-related incentive programs, and welfare benefits.

Code means the Internal Revenue Code of 1986, as amended from time to time.

Company means Synopsys, Inc., a Delaware corporation, and any corporate successor to all or substantially all of the assets or voting stock of Synopsys, Inc. which shall by appropriate action adopt the Plan.

Common Stock means shares of the Company's common stock.

Corporate Affiliate means any company which is a parent or subsidiary corporation of the Company (as determined in accordance with Code Section 424), including any parent or subsidiary corporation which becomes such after the Effective Date.

Effective Date means the first day of the initial offering period scheduled to commence on May 3, 1993. However, for any Subsidiary which becomes a Participating Subsidiary in the Plan after the first day of the initial offering period, a subsequent Effective Date shall be designated with respect to participation by its Eligible Employees.

Eligible Employee means any person who is engaged, on a regularly-scheduled basis of more than twenty (20) hours per week and more than five (5) months per calendar year, in the rendition of personal services to any Participating Subsidiary for earnings considered wages under Section 3121(a) of the Code, but shall not include persons prohibited by the laws of the nation of their residence or employment from participating in the Plan.

Enrollment Date has the meaning ascribed to it in Section V.A.

Participant means any Eligible Employee of a Participating Subsidiary who is actively participating in the Plan.

Participating Subsidiary means a Subsidiary of the Company that has been designated as a Participating Subsidiary by the Board.

Semi-Annual Entry Date means (i) during 1999 and each preceding calendar year within an offering period in effect under the Plan, the first business day of May and the first business day of November and (ii) during 2000 and all subsequent calendar

years within an offering period under the Plan, the first business day of March and the first business day of September. The earliest Semi-Annual Entry Date under the Plan shall be May 3, 1993.

Semi-Annual Period of Participation means each period for which the Participant actually participates in an offering period in effect under the Plan. There shall be a maximum of four (4) periods of participation within each offering period. Except as otherwise designated by the Plan Administrator, each such period shall commence on the applicable Semi-Annual Entry Date.

Semi-Annual Purchase Date means (i) during 1999 and each preceding year on which shares of Common Stock are automatically purchased for Participants under the Plan, the last business day of April and October, and (ii) during 2000 and each subsequent year on which shares of Common Stock are automatically purchased for Participants under the Plan, the last business day of February and August.

Subsidiary shall mean any corporation described in Section 425(e) or (f) of the Code.

### III. ADMINISTRATION

The Plan shall be administered by the Board of Directors or a committee that will satisfy Rule 16b-3 of the Securities and Exchange Commission, as in effect with respect to the Company from time to time (in either case, the "Board"). The Board may from time to time select a committee or persons (the "Plan Administrator") to be responsible for any transactions not subject to Rule 16b-3. Subject to the express provisions of the Plan, to the overall supervision of the Board, and to the limitations of Section 423 of the Code, the Plan Administrator may administer, interpret and amend the Plan in any manner it believes to be desirable (including amendments to outstanding options/purchase rights and the designation of a brokerage firm at which accounts for the holding of shares purchased under the Plan must be established by each employee desiring to participate in the Plan), and any such interpretation shall be final and binding on all parties who have an interest in the Plan; provided, however, that the Plan Administrator may not, without the approval of the Company's Board, (i) increase the number of shares issuable under the Plan or the maximum number of shares which may be purchased per Participant or in the aggregate during any one Semi-Annual Period of Participation under the Plan, except that the Plan Administrator shall have the authority, exercisable without such stockholder approval, to effect adjustments to the extent necessary to reflect changes in the Company's capital structure pursuant to Section VI.B;(ii) alter the purchase price formula so as to reduce the purchase price payable for the shares issuable under the Plan; or (iii) materially increase the benefits accruing to Participants under the Plan or materially modify the requirements for eligibility to participate in the Plan

### IV. OFFERING PERIODS

The Plan shall be implemented in a series of offering periods. Each offering period shall be of a duration of twenty-four (24) months or less as designated by the Plan Administrator prior to the start date of any offering period, except that offering periods that include the Semi-Annual Entry Date on November 1, 1999 shall be of a duration of twenty-two (22) months. Within each offering period, there shall be a maximum of four (4) Semi-Annual Periods of Participation.

### V. ELIGIBILITY AND PARTICIPATION

A. Each Eligible Employee of a Participating Subsidiary shall be eligible to participate in the Plan in accordance with the following provisions:

- The Board may at any time designate one or more Subsidiaries as participating in the Plan. The names of all Participating Subsidiaries shall be shown on Exhibit A to the Plan, which shall be amended from time to time to reflect additions and deletions of Participating Subsidiaries; failure to show a Participating Subsidiary on Exhibit A shall not, however, prevent otherwise eligible employees of that Subsidiary from participating in the Plan. No Subsidiary participating in the Company's Employee Stock Purchase Plan effective May 3, 1993 may be designated for participation in the Plan.

- Each Eligible Employee will be automatically enrolled in the Plan in the offering period that begins on the first Semi-Annual Entry Date following the commencement of employment; thereafter, any Eligible Employee may enroll or re-enroll in the Plan in the offering period that begins as of any Semi-Annual Entry Date, or such other days as may be established by the Board from time to time (each, an "Enrollment Date"). To participate, an Eligible Employee must complete, sign, and submit to the Company an enrollment form prescribed by the Plan Administrator. Any enrollment form received by the Company by the 15th day of the month preceding

an Enrollment Date (or by the Enrollment Date in the case of employees hired after such 15th day), or such other date established by the Plan Administrator from time to time, will be effective on that Enrollment Date. Enrollment or re-enrollment by a Participant in the Plan on an Enrollment Date will constitute the grant by the Company to the Participant of an option to purchase shares of Common Stock from the Company under the Plan. At the end of each offering period, each Participant who has not withdrawn from the Plan will automatically be re-enrolled in the Plan in the offering period that begins on the Enrollment Date immediately following the date on which the option expires. Furthermore, except as may otherwise be determined by the Plan Administrator, each Participant who has not withdrawn from the Plan will automatically be re-enrolled in the Plan in each offering period that begins on an Enrollment Date on which the fair market value per share of the Company's Common Stock is lower than the fair market value per share of the Company's Common Stock on the Enrollment Date for the offering period in which the Participant is then enrolled. Notwithstanding anything in the Plan to the contrary, if the fair market value (the "Authorization Date FVM") on the date (the "Authorization Date") on which additional shares of Common Stock are authorized for issuance hereunder by the Company's shareholders is higher than the fair market value at the beginning of any Offering Period that commenced prior to the Authorization Date, then, with respect to any of such authorized shares available to be issued on Purchase Dates relating to such Offering Period, the Authorization Date FMV shall be used instead of the fair market value on the Enrollment Date for the purposes of the preceding sentence, provided that the Plan Administrator, in its discretion, may waive application of this sentence with respect to the first Purchase Date occurring after the Authorization Date.

- An individual who becomes an Eligible Employee immediately following termination of such employee's participation in the Synopsys, Inc. Employee Stock Purchase Plan shall, for purposes of participation in the Plan, have a deemed Enrollment Date corresponding to such employee's most recent Enrollment Date under the Synopsys, Inc. Employee Stock Purchase Plan.

B. The payroll deduction authorized by the Participant for purposes of acquiring shares of Common Stock under the Plan may be zero percent (0%) or any whole multiple of one percent (1%) of the Base Salary paid to the Participant during each Semi-Annual Period of Participation within the offering period, up to a maximum of ten percent (10%). The deduction rate so authorized shall continue in effect for the entire Semi-Annual Period of Participation and for each successive Semi-Annual Period of Participation unless (i) the Participant shall change the rate for a subsequent Semi-Annual Period of Participation by filing the appropriate form with the Plan Administrator prior to the commencement of that Semi-Annual Period of Participation or (ii) the Participant shall change the rate within a Semi-Annual Period of Participation by filing the appropriate form with the Plan Administrator. The new rate shall become effective as soon as practicable following the filing of such form. A Participant may not increase or decrease the deduction rate more than once per Semi-Annual Period of Participation in addition to fixing the rate at the beginning of the Semi-Annual Period of Participation. Payroll deductions, however, will automatically cease upon the termination of the Participant's purchase right in accordance with Article VII below.

C. In no event may any Participant's payroll deductions for any one Semi-Annual Period of Participation exceed Seven Thousand Five Hundred Dollars (\$7,500.00) calculated on the Purchase Date following conversion of accumulated withholdings into U.S. Dollars.

D. It is intended that all eligible employees shall have substantially equivalent rights and privileges with respect to the Plan; notwithstanding any other provision of the Plan, however, the Plan Administrator may make such changes in the terms of eligibility and participation from Subsidiary to Subsidiary that it determines, in its discretion, to be necessary or desirable to reflect or comply with local laws or conditions.

## VI. STOCK SUBJECT TO PLAN

A. The Common Stock purchasable by Participants under the Plan shall, solely in the discretion of the Plan Administrator, be made available from either authorized but unissued shares of the Common Stock or from shares of Common Stock reacquired by the Company, including shares of Common Stock purchased on the open market. The total number of shares which may be issued under the Plan shall not exceed 7,050,000 shares, less any shares sold under the Synopsys, Inc. Employee Stock Purchase Plan (subject to adjustment under Section VI.B below).

B. In the event any change is made to the Company's outstanding Common Stock by reason of any stock dividend, stock split, combination of shares or other change affecting such outstanding Common Stock as a class without receipt of consideration, then appropriate adjustments shall be made by the Plan Administrator to (i) the class and maximum number of shares issuable over the term of the Plan, (ii) the class and maximum number of shares purchasable per Participant during each Semi-Annual Period of Participation, (iii) the class and maximum number of shares purchasable in the aggregate by all Participants on any one purchase date under the Plan and (iv) the class and number of shares and the price per share of the Common Stock subject to each purchase right at the time outstanding under the Plan. Such adjustments shall be designed to preclude the dilution or enlargement of rights and benefits under the Plan.

## VII. PURCHASE RIGHTS

An Employee who participates in the Plan for a particular offering period shall have the right to purchase shares of Common Stock, in a series of successive installments during such offering period, upon the terms and conditions set forth below and shall execute such agreements and documents embodying such terms and conditions and such other provisions (not inconsistent with the Plan) as the Plan Administrator may deem advisable.

Purchase Price. Common Stock shall be issuable on each Semi-Annual Purchase Date at a purchase price equal to eighty-five percent (85%) of the lower of (i) the fair market value per share on the Participant's Enrollment Date or (ii) the fair market value per share on the Semi-Annual Purchase Date. Notwithstanding anything in the Plan to the contrary, if the Authorization Date FVM is higher than the fair market value at the beginning of any Offering Period that commenced prior to the Authorization Date, then, with respect to any of such authorized shares available to be issued on Purchase Dates relating to such Offering Period, the Authorization Date FVM shall be used instead of the fair market value on the Enrollment Date for the purposes of clause (i) of the preceding sentence, provided that the Plan Administrator, in its discretion, may waive application of this sentence with respect to the first Purchase Date occurring after the Authorization Date.

Valuation. The fair market value per share of Common Stock on any relevant date shall be the closing selling price of the Common Stock on that date, as officially quoted on the Nasdaq National Market System. If there is no quoted selling price for such date, then the closing selling price on the next preceding day for which there does exist such a quotation shall be determinative of fair market value.

Number of Purchasable Shares. The number of shares purchasable per Participant on each Semi-Annual Purchase Date shall be the number of whole shares obtained by dividing the amount collected, after conversion into U.S. Dollars on the Purchase Date, from the Participant through payroll deductions during the corresponding Semi-Annual Period of Participation by the purchase price in effect for the Semi-Annual Purchase Date. However, no Participant may, during any one Semi-Annual Purchase Period, purchase more than 2,000 shares of Common Stock, subject to periodic adjustment under Section VI.B.

Under no circumstances shall purchase rights be granted under the Plan to any Eligible Employee if such individual would, immediately after the grant, own (within the meaning of Code Section 424(d)) or hold outstanding options or other rights to purchase, stock possessing five percent (5%) or more of the total combined voting power or value of all classes of stock of the Company or any of its Corporate Affiliates.

Payment: Withholding. Payment for the Common Stock purchased under the Plan shall be effected by means of the Participant's authorized payroll deductions. Such deductions shall begin on the first pay day coincident with or immediately following the Participant's Enrollment Date into the offering period and shall (unless sooner terminated by the Participant) continue through the pay day ending with or immediately prior to the last day of the offering period. The amounts so collected shall be credited to the Participant's book account under the Plan in local currency, but no interest shall be paid on the balance from time to time outstanding in such account. The amounts collected from a Participant may be commingled with the general assets of the Company and/or any Participating Subsidiary and may be used for general corporate purposes. Upon disposition of shares acquired by exercise of purchase right, the Participant shall pay, or make provision adequate to the Company and the Participating Subsidiary for payment of, all federal, state, and other tax (and similar) withholdings that the Company or the Participating Subsidiary determines, in its discretion, are required due to the disposition, including any such withholding that the Company or the Participating Subsidiary determines, in its discretion, is necessary to allow the Company or the Participating Subsidiary to claim tax deductions or other benefits in connection

with the disposition. A Participant shall make such similar provisions for payment that the Company or the Participating Subsidiary determines, in its discretion, are required due to the exercise of purchase right, including such provisions as are necessary to allow the Company or the Participating Subsidiary to claim tax deductions or other benefits in connection with the exercise of purchase right.

Termination of Purchase Right. The following provisions shall govern the termination of outstanding purchase rights:

(i) A Participant may, at any time prior to the last five (5) business days of the Semi-Annual Period of Participation, terminate his/her outstanding purchase right under the Plan by filing the prescribed notification form with the Plan Administrator. No further payroll deductions shall be collected from the Participant with respect to the terminated purchase right, and any payroll deductions collected for the Semi-Annual Period of Participation in which such termination occurs shall, at the Participant's election, be immediately refunded or held for the purchase of shares on the next Semi-Annual Purchase Date. If no such election is made, then such funds shall be refunded as soon as possible after the close of such Semi-Annual Period of Participation.

(ii) The termination of such purchase right shall be irrevocable, and the Participant may not subsequently rejoin the offering period for which such terminated purchase right was granted. In order to resume participation in any subsequent offering period, such individual must enroll in the Plan in accordance with Section V.A.

(iii) Should a Participant cease to remain an Eligible Employee while his/her purchase right remains outstanding or should there otherwise occur a change in such individual's employee status so that he/she is no longer an Eligible Employee while holding such purchase right, then such purchase right shall immediately terminate upon such termination of service or change in status and all sums previously collected from the Participant during the Semi-Annual Period of Participation in which the purchase right so terminates shall be promptly refunded to the Participant. However, should the Participant die or become permanently disabled while in service or should the Participant cease employment by reason of a leave of absence, then the Participant (or the person or persons to whom the rights of the deceased Participant under the Plan are transferred by will or the laws of inheritance) shall have the election, exercisable up until the end of the Semi-Annual Period of Participation in which the Participant dies or becomes permanently disabled or in which the leave of absence commences, to (i) withdraw all the funds credited to the Participant's account at the time of his/her cessation of service or at the commencement of such leave or (ii) have such funds held for the purchase of shares of Common Stock at the next Semi-Annual Purchase Date. If no such election is made, then such funds shall automatically be held for the purchase of shares of Common Stock at the next Semi-Annual Purchase Date. In no event, however, shall any further payroll deductions be added to the Participant's account following his/her cessation of service or the commencement of such leave; provided, however, that if a Participant's employment is terminated because of a transfer of employment to the Company or any subsidiary of the Company other than a Participating Subsidiary, any outstanding purchase right shall not terminate until the occurrence of the earlier of (x) the last Semi-Annual Purchase Date in the offering period or (y) enrollment of the Participant in the Company's Employee Stock Purchase Plan. While a purchase right remains outstanding, the Company or other subsidiary to which the participant is transferred shall effect payroll deductions authorized by the Participant and shall remit them to the Participating Subsidiary that employed the Participant at the time of the transfer for purposes of acquiring shares of Common Stock under the Plan. Following approval by the Company and the Participating Subsidiary, the Participant may, in lieu of payroll deduction, pay a corresponding amount to the Participating Subsidiary if such amount is received on or before the relevant Purchase Date. Should the Participant return to active service following a leave of absence, then his/her payroll deductions under the Plan shall automatically resume at the rate in effect at the time the leave began, provided such return to service occurs prior to the end of the offering period in which such leave began. For purpose of the Plan: (i) the Participant shall be considered to remain in service for so long as such Participant remains in the active employ of the Company or one or more other Participating Subsidiaries and (ii) the Participant shall be deemed to be permanently disabled if he/she is unable to engage in any substantial gainful employment, by reason of any medically determinable physical

or mental impairment expected to result in death or to be of continuous duration of at least twelve (12) months.

Stock Purchase. Shares of Common Stock shall automatically be purchased on behalf of each Participant (other than Participants whose payroll deductions have previously been refunded or set aside for refund in accordance with the Termination of Purchase Right provisions above) on each Semi-Annual Purchase Date. The purchase shall be effected by applying each Participant's payroll deductions after conversion to U.S. Dollars for the Semi-Annual Period of Participation ending on such semiannual Purchase Date to the purchase of whole shares of Common Stock (subject to the limitation on the maximum number of purchasable shares as set forth above) at the purchase price in effect for such Semi-Annual Period of Participation. Any payroll deductions not applied to such purchase (a) because they are not sufficient to purchase a whole share or (b) by reason of the limitation on the maximum number of shares purchasable by the Participant for that Semi-Annual Period of Participation shall be promptly refunded to the Participant.

Proration of Purchase Rights. Not more than 500,000 shares of Common Stock, subject to periodic adjustment under Section VI.B, may be purchased in the aggregate by all participants under the Plan and under the Synopsys, Inc. Employee Stock Purchase Plan on any one Semi-Annual Purchase Date. Should the total number of shares of Common Stock which are to be purchased pursuant to outstanding purchase rights on any particular date exceed either (i) the maximum limitation on the number of shares purchasable in the aggregate on such date or (ii) the number of shares then available for issuance under the Plan and the Synopsys, Inc. Employee Stock Purchase Plan, the Plan Administrator shall make a pro-rata allocation of the available shares on a uniform and non-discriminatory basis (including, to the extent practicable vis a vis participants in the Synopsys, Inc. Employee Stock Purchase Plan) and the payroll deductions for each Participant, to the extent in excess of the aggregate purchase price payable for the Common Stock pro-rated to such individual, shall be refunded to such Participant.

Rights as Stockholder. A Participant shall have no stockholder rights with respect to the shares subject to his/her outstanding purchase right until the shares are actually purchased on the Participant's behalf in accordance; with the applicable provisions of the Plan. No adjustments shall be made for dividends, distributions, or other rights for which the record date is prior to the date of such purchase.

Assignability. No purchase right granted under the Plan shall be assignable or transferable by the Participant other than by will or by the laws of descent and distribution following the Participant's death, and during the Participant's lifetime the purchase right shall be exercisable only by the Participant.

Change in Ownership. Should the Company or its stockholders enter into an agreement to dispose of all or substantially all of the assets or outstanding capital stock of the Company by means of:

(i) a sale, merger or other reorganization in which the Company will not be the surviving corporation (other than a reorganization effected primarily to change the State in which the Company is incorporated), or

(ii) a reverse merger in which the Company is the surviving corporation but in which more than fifty percent (50%) of the Company's outstanding voting stock is transferred to holders different from those who held the stock immediately prior to the reverse merger,

then all outstanding purchase rights under the Plan shall automatically be exercised immediately prior to the consummation of such sale, merger, reorganization or reverse merger by applying the payroll deductions of each Participant, after conversion into U.S. Dollars on the date of purchase, for the Semi-Annual Period of Participation in which such transaction occurs to the purchase of whole shares of Common Stock at eighty-five percent (85%) of the lower of (i) the fair market value of the Common Stock on the Participant's Enrollment Date into the offering period in which such transaction occurs or (ii) the fair market value of the Common Stock immediately prior to the consummation of such transaction. However, the applicable share limitations of Sections VII and VIII shall continue to apply to any such purchase, and the clause (i) amount above shall not, for any Participant whose Enrollment Date for the offering period is other than the start date of such offering period, be less than the fair market value of the Common Stock on such start date.



The Company shall use its best efforts to provide at least ten (10) days' advance written notice of the occurrence of any such sale, merger, reorganization or reverse merger, and Participants shall, following the receipt of such notice, have the right to terminate their outstanding purchase rights in accordance with the applicable provisions of this Article VII.

#### VIII. ACCRUAL LIMITATIONS

A. No Participant shall be entitled to accrue rights to acquire Common Stock pursuant to any purchase right outstanding under this Plan if and to the extent such accrual, when aggregated with (i) rights to purchase Common Stock accrued under any other purchase right outstanding under this Plan and (ii) similar rights accrued under other employee stock purchase plans (within the meaning of Section 423 of the Code) of the Company and its Corporate Affiliates would otherwise permit such Participant to purchase more than \$25,000 worth of stock of the Company or any Corporate Affiliate (determined on the basis of the fair market value of such stock on the date or dates such rights are granted to the Participant) for each calendar year such rights are at any time outstanding.

B. For purposes of applying such accrual limitations, the right to acquire Common Stock pursuant to each purchase right outstanding under the Plan shall accrue as follows:

(i) The right to acquire Common Stock under each such purchase right shall accrue in a series of successive semi-annual installments as and when the purchase right first becomes exercisable for each semi-annual installment on the last business day of each Semi-Annual Period of Participation for which the right remains outstanding.

(ii) No right to acquire Common Stock under any outstanding purchase right shall accrue to the extent the Participant has already accrued in the same calendar year the right to acquire \$25,000 worth of Common Stock (determined on the basis of the fair market value on the date or dates of grant) pursuant to one or more purchase rights held by the Participant during such calendar year.

(iii) If by reason of such accrual limitations, any purchase right of a Participant does not accrue for a particular Semi-Annual Period of Participation, then the payroll deductions which the Participant made during that Semi-Annual Period of Participation with respect to such purchase right shall be promptly refunded.

C. In the event there is any conflict between the provisions of this Section VIII and one or more provisions of the Plan or any instrument issued thereunder, the provisions of this Section VIII shall be controlling.

#### IX. AMENDMENT AND TERMINATION

A. The Board may amend, alter, suspend, discontinue, or terminate the Plan at any time, including amendments to outstanding options/purchase rights. However, the Board may not, without the approval of the Company's stockholders:

(i) Increase the number of shares issuable under the Plan or the maximum number of shares which may be purchased per Participant or in the aggregate during any one Semi-Annual Period of Participation under the Plan, except that the Plan Administrator shall have the authority, exercisable without such stockholder approval, to effect adjustments to the extent necessary to reflect changes in the Company's capital structure pursuant to Section VI.B;

(ii) alter the purchase price formula so as to reduce the purchase price payable for the shares issuable under the Plan; or

(iii) materially increase the benefits accruing to Participants under the Plan or materially modify the requirements for eligibility to participate in the Plan.

B. The Board may elect to terminate any or all outstanding purchase rights at any time. In the event the Plan is terminated, the Board may also elect to terminate outstanding purchase rights either immediately or upon completion of the purchase of shares on the next Semi-Annual Purchase Date, or may elect to permit purchase rights to expire in accordance with their terms (and participation to continue through such expiration dates). If purchase rights are terminated prior to expiration, all funds contributed to the Plan that have not been used to purchase shares shall be returned to the Participants as soon as administratively feasible.

X. GENERAL PROVISIONS

A. The Plan shall become effective on the date on which it is adopted by the Board, provided the Company has complied with all applicable requirements established by law or regulation.

B. All costs and expenses incurred in the administration of the Plan shall be paid by the Company.

C. Neither the action of the Company in establishing the Plan, nor any action taken under the Plan by the Board or the Plan Administrator, nor any provision of the Plan itself shall be construed so as to grant any person the right to remain in the employ of the Company or any of its Corporate Affiliates for any period of specific duration, and such person's employment may be terminated at any time, with or without cause.

D. The provisions of the Plan shall be governed by the laws of the State of California without resort to that State's conflict-of-laws rules.

E. If the Plan Administrator in its discretion so elects, it may retain a brokerage firm, bank, or other financial institution to assist in the purchase of shares, delivery of reports, or other administrative aspects of the Plan. If the Plan Administrator so elects, each Participant shall (unless prohibited by the laws of the nation of his or her employment or residence) be deemed upon enrollment in the Plan to have authorized the establishment of an account on his or her behalf at such institution. Shares purchased by a Participant under the Plan shall be held in the account in the name in which the share certificate would otherwise be issued pursuant to Section VII.

Schedule A

Companies Participating in  
International Employee Stock Purchase  
Plan

<u>Name</u>	<u>Jurisdiction of Incorporation</u>
Electronic Design Automation Services Europe	Netherlands
Nihon Synopsys Co., Ltd.	Japan
Synopsys Consulting SARL	France
Synopsys Finland OY	Finland
Synopsys GmbH	Germany
Synopsys (India) Pvt. Ltd.	India
Synopsys International, Inc.	Barbados
Synopsys International Limited	Ireland
Synopsys Ireland Limited	Ireland
Synopsys Ireland Resources	Ireland
Synopsys Italia, SRL	Italy
Synopsys Korea, Inc.	Korea
Synopsys (Northern Europe) Ltd.	United Kingdom
Synopsys SARL	France
Synopsys Scandinavia AB	Sweden
Synopsys Services SARL	France
Synopsys Singapore Pte. Ltd.	Singapore
Synthesis and Optimisation Systems Ltd.	Israel
The CAE Company	Netherlands
Viewlogic Asia Corporation	U.S.A.
Viewlogic Benelux	Netherlands
Viewlogic Europe BV	Netherlands