

Edgar Filing: SYNOPSYS INC - Form S-8

SYNOPSYS INC

Form S-8

July 30, 2002

As filed with the Securities and Exchange Commission on July 30, 2002

Registration No. 333-_____

SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

FORM S-8
REGISTRATION STATEMENT
Under
The Securities Act of 1933

SYNOPSYS, INC.
(Exact name of registrant as specified in its charter)

Delaware
(State or other jurisdiction
of incorporation or organization)

56-1546236
(IRS Employer Identification No.)

700 EAST MIDDLEFIELD ROAD
MOUNTAIN VIEW, CALIFORNIA 94043
(Address of principal executive offices) (Zip Code)

AVANT! CORPORATION 1995 STOCK OPTION/STOCK ISSUANCE PLAN
AVANT! CORPORATION 2000 STOCK OPTION/STOCK ISSUANCE PLAN

(Full title of the Plans)

AART J. DE GEUS
CHIEF EXECUTIVE OFFICER
SYNOPSYS, INC.
700 EAST MIDDLEFIELD ROAD
MOUNTAIN VIEW, CALIFORNIA 94043
(Name and address of agent for service)
(650) 584-5000
(Telephone number, including area code, of agent for service)

CALCULATION OF REGISTRATION FEE

=====

Title of Securities to be Registered -----	Amount to be Registered (1) -----	Proposed Maximum Offering Price per Share (2) -----	Proposed Maximum Aggregate Offering Price (2) -----
Common Stock, \$0.01 par value, to be Issued under the Avant! Corporation 1995 Stock Option/Stock Issuance Plan and the Avant! Corporation 2000 Stock Option/Stock Issuance Plan:	97,625 shares	\$14.04	\$1,370,65

Edgar Filing: SYNOPSYS INC - Form S-8

- =====
- (1) This Registration Statement shall also cover any additional shares of Registrant's Common Stock which become issuable under the Avant! Corporation 1995 Stock Option/Stock Issuance Plan and the Avant! Corporation 2000 Stock Option/Stock Issuance Plan by reason of any stock dividend, stock split, recapitalization or other similar transaction effected without the Registrant's receipt of consideration which results in an increase in the number of the Registrant's outstanding shares of Common Stock.
 - (2) Calculated solely for purposes of this offering under Rule 457(h) of the Securities Act of 1933, as amended (the "1933 Act"), on the basis of the weighted average exercise price of the outstanding options.
 - (3) The Registrant filed a registration statement on Form S-4 (Registration No. 333-75638) on December 21, 2001 (the "Form S-4"), to register certain shares of its common stock in connection with the transaction described therein. The filing fee remitted for the S-4 was \$209,040.53. Subsequently, the Commission issued Fee Rate Advisory No. 8 on January 16, 2002, which retroactively reduced Securities Act filing fees. As a result, the Registrant now has a credit of \$128,573 with the Commission. The registration fee for this registration statement is being offset against such credit.

PART II

Information Required in the Registration Statement

Item 3. Incorporation of Documents by Reference

Synopsys, Inc. (the "Registrant") hereby incorporates by reference into this Registration Statement the following documents previously filed with the Securities and Exchange Commission (the "Commission"):

- (a) The Registrant's Annual Report on Form 10-K for the fiscal year ended October 31, 2001 filed with the Commission on January 25, 2002 (as amended on Form 10-K/A filed with the Commission on March 1, 2002), pursuant to Section 13 of the Securities Exchange Act of 1934, as amended (the "1934 Act");
- (b) The Registrant's Quarterly Reports on Form 10-Q for the quarter ended January 31, 2002 and April 30, 2002 filed with the Commission on March 18, 2002 and June 17, 2002, respectively;
- (c) The Registrant's Current Reports on Form 8-K filed with the Commission on December 5, 2001, May 7, 2002 and June 6, 2002;
- (d) The Registrant's Registration Statement on Form 8-A, filed with Commission on January 24, 1992, pursuant to Section 12(g) of the 1934 Act, in which there is described the terms, rights

Edgar Filing: SYNOPSYS INC - Form S-8

and provisions applicable to the Registrant's Common Stock;
and

- (e) The Registrant's Registration Statement on Form 8-A, filed with the Commission on October 31, 1997, pursuant to Section 12(g) of the 1934 Act, and as amended on Form 8-A/A on December 13, 1999 and April 10, 2000 in which there is described the terms, rights and provisions applicable to the Registrant's Preferred Share Purchase Rights.

All reports and definitive proxy or information statements filed pursuant to Section 13(a), 13(c), 14 or 15(d) of the 1934 Act after the date of this Registration Statement and prior to the filing of a post-effective amendment which indicates that all securities offered hereby have been sold or which de-registers all securities then remaining unsold shall be deemed to be incorporated by reference into this Registration Statement and to be a part hereof from the date of filing of such documents. Any statement contained in a document incorporated or deemed to be incorporated by reference herein shall be deemed to be modified or superseded for purposes of this Registration Statement to the extent that a statement contained herein or in any subsequently filed document which also is deemed to be incorporated by reference herein modifies or supersedes such statement. Any such statement so modified or superseded shall not be deemed, except as so modified or superseded, to constitute a part of this Registration Statement.

Item 4. Description of Securities

Not Applicable.

Item 5. Interests of Named Experts and Counsel

Not Applicable.

Item 6. Indemnification of Directors and Officers

Section 145 of the Delaware General Corporation Law permits a corporation to include in its charter documents, and in agreements between the corporation and its directors and officers, provisions expanding the scope of indemnification beyond that specifically provided by the current law.

II-1

Article X of the Registrant's Restated Certificate of Incorporation provides for the indemnification of directors to the fullest extent permissible under Delaware Law.

Article VII of the Registrant's Bylaws provides for the indemnification of officers, directors and third parties to the fullest extent permissible under Delaware Law, which provisions are deemed to be a contract between the Registrant and each director and officer who serves in such capacity while such bylaw is in effect.

The Registrant has entered into indemnification agreements with its directors and executive officers, in addition to the indemnification provided for in the Registrant's Bylaws, and intends to enter into indemnification agreements with any new directors and executive officers in the future. The Registrant has also obtained liability insurance for the benefit of its directors and officers.

Edgar Filing: SYNOPSYS INC - Form S-8

Item 7. Exemption from Registration Claimed

Not Applicable.

Item 8. Exhibits

Exhibit Number	Exhibit
4.1	Instruments Defining the Rights of Stockholders.*
5.1	Opinion of counsel
10.1	Avant! Corporation 1995 Stock Option/Stock Issuance Plan
10.2	Avant! Corporation 2000 Stock Option/Stock Issuance Plan
23.1	Consent of KPMG LLP, Independent Auditors
23.3	Consent of counsel is contained in Exhibit 5.1
24.1	Power of Attorney. Reference is made to page II-4 of this Registration Statement

* Reference is made to the Registrant's Registration Statements on Form 8-A, including the exhibits thereto, incorporated herein by reference pursuant to Items 3(d) and 3(e) of this Registration Statement.

Item 9. Undertakings

A. The undersigned Registrant hereby undertakes: (1) to file, during any period in which offers or sales are being made, a post-effective amendment to this Registration Statement: (i) to include any prospectus required by Section 10(a)(3) of the Securities Act of 1933, as amended (the "1933 Act"), (ii) to reflect in the prospectus any facts or events arising after the effective date of this Registration Statement (or the most recent post-effective amendment thereof) which, individually or in the aggregate, represent a fundamental change in the information set forth in this Registration Statement and (iii) to include any material information with respect to the plan of distribution not previously disclosed in this Registration Statement or any material change to such information in this Registration Statement; provided, however, that clauses (1)(i) and (1)(ii) shall not apply if the information required to be included in a post-effective amendment by those paragraphs is contained in periodic reports filed by the Registrant pursuant to Section 13 or Section 15(d) of the 1934 Act that are incorporated by reference into this Registration Statement; (2) that for the purpose of determining any liability under the 1933 Act each such post-effective amendment shall be deemed to be a new registration statement relating to the securities offered therein and the offering of such securities at that time shall be deemed to be the initial bona fide offering thereof; and (3) to remove from registration by means of a post-effective amendment any of the securities being registered which remain unsold at the termination of the offering.

B. The undersigned Registrant hereby undertakes that, for purposes of determining any liability under the 1933 Act, each filing of the Registrant's annual report pursuant to Section 13(a) or Section 15(d) of the 1934 Act that is incorporated by reference into this Registration Statement shall be deemed to be a new registration statement relating to the securities offered therein, and the offering of such securities at that time shall be deemed to be the initial bona fide offering thereof.

Edgar Filing: SYNOPSYS INC - Form S-8

C. Insofar as indemnification for liabilities arising under the 1933 Act may be permitted to directors, officers or controlling persons of the Registrant pursuant to the indemnification provisions summarized in Item 6 or otherwise, the Registrant has been advised that, in the opinion of the Commission, such indemnification is against public policy as expressed in the 1933 Act and is, therefore, unenforceable. In the event that a claim for indemnification against such liabilities (other than the payment by the Registrant of expenses incurred or paid by a director, officer, or controlling person of the Registrant in the successful defense of any action, suit or proceeding) is asserted by such director, officer or controlling person in connection with the securities being registered, the Registrant will, unless in the opinion of its counsel the matter has been settled by controlling precedent, submit to a court of appropriate jurisdiction the question whether such indemnification by it is against public policy as expressed in the 1933 Act and will be governed by the final adjudication of such issue.

SIGNATURES

Pursuant to the requirements of the Securities Act of 1933, as amended, the Registrant certifies that it has reasonable grounds to believe that it meets all of the requirements for filing on Form S-8, and has duly caused this Registration Statement to be signed on its behalf by the undersigned, thereunto duly authorized, in the City of Mountain View, State of California on this 30th day of July, 2002.

SYNOPSYS, INC.

By:

/S/ Aart J. de Geus
Aart J. de Geus
Chief Executive Officer

II-3

POWER OF ATTORNEY

KNOW ALL PERSONS BY THESE PRESENTS, that each person whose signature appears below constitutes and appoints Aart J. de Geus and Robert B. Henske, and each of them, as such person's true and lawful attorneys-in-fact and agents, with full power of substitution and resubstitution, for such person and in such person's name, place and stead, in any and all capacities, to sign any and all amendments (including post-effective amendments) to this Registration Statement, and to file same, with all exhibits thereto, and other documents in connection therewith, with the Securities and Exchange Commission, granting unto said attorneys-in-fact and agents, and each of them, full power and authority to do and perform each and every act and thing requisite and necessary to be done in connection therewith, as fully to all intents and purposes as such person might or could do in person, hereby ratifying and confirming all that said attorneys-in-fact and agents, or any of them, or their or his or her substitutes, may lawfully do or cause to be done by virtue thereof.

Pursuant to the requirements of the Securities Act of 1933, as amended, this Registration Statement has been signed below by the following persons on behalf of the Registrant and in the capacities and on the dates

Edgar Filing: SYNOPSYS INC - Form S-8

indicated:

Signature	Title	Date
/S/ Aart J. de Geus Aart J. de Geus	Chief Executive Officer (Principal Executive Officer) and Chairman of the Board of Directors	July 30, 2002
/S/ Chi-Foon Chan Chi-Foon Chan	President, Chief Operating Officer and Director	July 30, 2002
/S/ Robert B. Henske Robert B. Henske	Chief Financial Officer (Principal Financial Officer)	July 30, 2002
/S/ Richard Rowley Richard Rowley	Corporate Controller (Principal Accounting Officer)	July 30, 2002
/S/ Andy D. Bryant Andy D. Bryant	Director	July 30, 2002
/S/ Deborah A. Coleman Deborah A. Coleman	Director	July 30, 2002
/S/ Bruce R. Chizen Bruce R. Chizen	Director	July 30, 2002
/S/ A. Richard Newton A. Richard Newton	Director	July 30, 2002
/S/ Sasson Somekh Sasson Somekh	Director	July 30, 2002
/S/ Steven C. Walske Steven C. Walske	Director	July 30, 2002

Edgar Filing: SYNOPSYS INC - Form S-8

II-4

EXHIBIT INDEX

Exhibit Number	Exhibit
4.1	Instruments Defining the Rights of Stockholders.*
5.1	Opinion of counsel
10.1	Avant! Corporation 1995 Stock Option/Stock Issuance Plan
10.2	Avant! Corporation 2000 Stock Option/Stock Issuance Plan
23.1	Consent of KPMG LLP, Independent Auditors
23.3	Consent of counsel is contained in Exhibit 5.1
24.1	Power of Attorney. Reference is made to page II-4 of this Registration Statement

* Reference is made to the Registrant's Registration Statements on Form 8-A, including the exhibits thereto, incorporated herein by reference pursuant to Items 3(d) and 3(e) of this Registration Statement.

II-5

EXHIBIT 5.1

July 30, 2002

Synopsys, Inc.
700 E. Middlefield Road
Mountain View, CA 94043

Re: Synopsys, Inc. - Registration Statement on Form S-8

Ladies and Gentlemen:

I have acted as counsel to Synopsys, Inc., a Delaware corporation (the "Company"), in connection with the registration on Form S-8 (the "Registration Statement") under the Securities Act of 1933, as amended, of 97,625 shares of its common stock (the "Shares") issuable upon exercise of stock options granted under the Avant! Corporation 1995 Stock Option/Stock Issuance Plan and Avant! Corporation 2000 Stock Option/Stock Issuance Plan (collectively, the "Avant! Plans"), which have been assumed by the Company.

This opinion is being furnished in accordance with the requirements of Item 8 of Form S-8 and Item 601(b)(5)(i) of Regulation S-K.

I have reviewed the Company's charter documents and the corporate

Edgar Filing: SYNOPSYS INC - Form S-8

proceedings taken by the Company in connection with the assumption of the Avant! Plans and the options outstanding thereunder. Based on such review, I am of the opinion that if, as and when the Shares are issued and sold (and the consideration therefor received) pursuant to the provisions of option agreements duly authorized under the Avant! Plans and in accordance with the Registration Statement, such Shares will be duly authorized, legally issued, fully paid and nonassessable.

I consent to the filing of this opinion letter as Exhibit 5.1 to the Registration Statement.

Very truly yours,

/S/Christopher K. Sadeghian

Christopher Sadeghian
Senior Corporate Counsel
Synopsys, Inc.

Exhibit 10.1

AVANT! CORPORATION
1995 STOCK OPTION/STOCK ISSUANCE PLAN
(AMENDED AND RESTATED AS OF FEBRUARY 27, 1998)

ARTICLE ONE
GENERAL PROVISIONS

I. PURPOSE OF THE PLAN

This 1995 Stock Option/Stock Issuance Plan is intended to promote the interests of Avant! Corporation, a Delaware corporation, by providing eligible persons 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.

Capitalized terms shall have the meanings assigned to such terms in the attached Appendix.

II. STRUCTURE OF THE PLAN

A. The Plan shall be divided into three separate equity programs:

(i) the Discretionary Option Grant Program under which eligible persons may, at the discretion of the Plan Administrator, be granted options to purchase shares of Common Stock,

(ii) the Stock Issuance Program under which eligible persons may, at the discretion of the Plan Administrator, be issued shares of Common Stock directly, either through the immediate purchase of such shares or as a bonus for services rendered to the Corporation (or any Parent or Subsidiary), and

Edgar Filing: SYNOPSYS INC - Form S-8

(iii) the Automatic Option Grant Program under which Eligible Directors shall automatically receive option grants at periodic intervals to purchase shares of Common Stock.

B. The provisions of Articles One and Five shall apply to all equity programs under the Plan and shall accordingly govern the interests of all persons under the Plan.

III. ADMINISTRATION OF THE PLAN

A. The Board and the Primary Committee shall have the authority to administer the Discretionary Option Grant and Stock Issuance Programs with respect to Section 16 Insiders.

B. Administration of the Discretionary Option Grant and Stock Issuance Programs with respect to all other persons eligible to participate in these programs may, at the Board's discretion, be vested in the Primary Committee or a Secondary Committee, or the Board may retain the power to administer these programs with respect to all such persons. The members of the Secondary Committee may be individuals who are Employees eligible to receive discretionary option grants or direct stock issuances under the Plan or any stock option, stock appreciation, stock bonus or other stock plan of the Corporation (or any Parent or Subsidiary).

C. Members of the Primary Committee or any Secondary Committee shall serve for such period of time as the Board may determine and shall be subject to removal by the Board at any time. The Board may also at any time terminate the functions of any Secondary Committee and reassume all powers and authority previously delegated to such committee.

D. The Plan Administrator shall, within the scope of its administrative functions under the Plan, have full power and authority (subject to the provisions of the Plan) to establish such rules and regulations as it may deem appropriate for proper administration of the Discretionary Option Grant and Stock Issuance Programs and to make such determinations under, and issue such interpretations of, the provisions of such programs and any outstanding options or stock issuances thereunder as it may deem necessary or advisable. Decisions of the Plan Administrator within the scope of its administrative functions under the Plan shall be final and binding on all parties who have an interest in the Discretionary Option Grant or Stock Issuance Program under its jurisdiction or any option or stock issuance thereunder.

E. Service on the Primary Committee or the Secondary Committee shall constitute service as a Board member, and members of each such committee shall accordingly be entitled to full indemnification and reimbursement as Board members for their service on such committee. No member of the Primary Committee or the Secondary Committee shall be liable for any act or omission made in good faith with respect to the Plan or any option grants or stock issuances under the Plan.

F. Administration of the Automatic Option Grant Program shall be self-executing in accordance with the terms of that program, and no Plan Administrator shall exercise any discretionary functions with respect to option grants made thereunder.

IV. ELIGIBILITY

Edgar Filing: SYNOPSYS INC - Form S-8

A. The persons eligible to participate in the Discretionary Option Grant and Stock Issuance Programs are as follows:

(i) Employees,

2

(ii) non-employee members of the Board or the board of directors of any Parent or Subsidiary, and

(iii) consultants and other independent advisors who provide services to the Corporation (or any Parent or Subsidiary).

B. The Plan Administrator shall, within the scope of its administrative jurisdiction under the Plan, have full authority to determine (i) with respect to the option grants under the Discretionary Option Grant Program, which eligible persons are to receive option grants, the time or times when such option grants are to be made, the number of shares to be covered by each such grant, the status of the granted option as either an Incentive Option or a Non-Statutory Option, the time or times at which each option is to become exercisable, the vesting schedule (if any) applicable to the option shares and the maximum term for which the option is to remain outstanding and (ii) with respect to stock issuances under the Stock Issuance Program, which eligible persons are to receive stock issuances, the time or times when such issuances are to be made, the number of shares to be issued to each Participant, the vesting schedule (if any) applicable to the issued shares and the consideration to be paid by the Participant for such shares.

C. The Plan Administrator shall have the absolute discretion either to grant options in accordance with the Discretionary Option Grant Program or to effect stock issuances in accordance with the Stock Issuance Program.

D. The individuals eligible to receive option grants under the Automatic Option Grant Program shall be (i) those individuals who are serving as non-employee Board members on the Effective Date or who are first elected or appointed as non-employee Board members after such date, whether through appointment by the Board or election by the Corporation's stockholders, and (ii) those individuals who continue to serve as non-employee Board members after one or more Annual Stockholders Meetings held after the Effective Date. A non-employee Board member who has previously been in the employ of the Corporation (or any Parent or Subsidiary) shall not be eligible to receive an option grant under the Automatic Option Grant Program on the Effective Date or at the time he or she first becomes a non-employee Board member, but such individual shall be eligible to receive periodic option grants under the Automatic Option Grant Program as a result of his or her continued service as a non-employee Board member following one or more Annual Stockholders Meetings.

V. STOCK SUBJECT TO THE PLAN

A. The stock issuable under the Plan shall be shares of authorized but unissued or reacquired Common Stock, including shares repurchased by the Corporation on the open market. The number of shares of Common Stock that may be issued over the term of the Plan shall not exceed 5,584,017 shares.(1) No Incentive Options may be granted on the basis of

(1) Such authorized share reserve includes (i) 2,315,575 shares available at the inception of the Plan, (ii) an increase of 750,000 shares authorized by the

Edgar Filing: SYNOPSYS INC - Form S-8

Board under the Plan on April 10, 1996, and approved by the stockholders at the 1996 Annual Stockholders Meeting, (iii) an automatic annual increase of 249,520 shares effective January 1, 1997, (iv) an increase of

3

518,442 of such shares, which resulted from two automatic annual increases equal to one percent (1%) of the shares of Common Stock outstanding on December 31, 1996, and December 31, 1997, respectively.

B. The number of shares of Common Stock available for issuance under the Plan shall automatically increase by 500,000 shares on the first day of each calendar year during the term of the Plan, beginning with the 1999 calendar year.

C. No one person participating in the Plan may receive options and direct stock issuances for more than 1,000,000 shares of Common Stock in the aggregate per calendar year over the term of the Plan.

D. Shares of Common Stock subject to outstanding options shall be available for subsequent issuance under the Plan to the extent (i) the options (including any options incorporated from the Predecessor Plan) expire or terminate for any reason prior to exercise in full or (ii) the options are canceled in accordance with the cancellation-regrant provisions of Article Two, Section IV. All shares issued under the Plan (including shares issued upon exercise of options incorporated from the Predecessor Plan), whether or not those shares are subsequently repurchased by the Corporation pursuant to its repurchase rights under the Plan, shall reduce on a share-for-share basis the number of shares of Common Stock available for subsequent issuance under the Plan. In addition, should the exercise price of an option under the Plan (including any option incorporated from the Predecessor Plan) be paid with shares of Common Stock or should shares of Common Stock otherwise issuable under the Plan be withheld by the Corporation in satisfaction of the withholding taxes incurred in connection with the exercise of an option or the vesting of a stock issuance under the Plan, 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 or which vest under the stock issuance, and not by the net number of shares of Common Stock issued to the holder of such option or stock issuance.

E. Should any change be made to the Common Stock 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 number and/or class of securities for which the share reserve is to increase automatically each year, (iii) the number and/or class of securities for which any one person may be granted options, separately exercisable stock appreciation rights and direct stock issuances over the term of the Plan, (iv) the number and/or class of securities for which automatic option grants are to be subsequently made per Eligible Director under the Automatic Option Grant Program and (v) the number and/or class of securities and the exercise price per share in effect under each outstanding option (including any option incorporated from

1,000,000 shares authorized by the Board under the Plan on April 11, 1997, and approved by the stockholders at the 1997 Annual Stockholders Meeting, (v) an automatic annual increase of 268,922 shares effective January 1, 1998, and (vi) an increase of 1,000,000 shares authorized by the Board under the Plan on

Edgar Filing: SYNOPSYS INC - Form S-8

February 27, 1998, and submitted to the stockholders for approval at the 1998 Annual Stockholders Meeting.

4

the Predecessor Plan) in order to prevent the dilution or enlargement of benefits thereunder. The adjustments determined by the Plan Administrator shall be final, binding and conclusive.

5

ARTICLE TWO DISCRETIONARY OPTION GRANT PROGRAM

I. OPTION TERMS

Each option shall be evidenced by one or more documents in the form approved by the Plan Administrator; PROVIDED, however, that each such document shall comply with the terms specified below. Each document evidencing an Incentive Option shall, in addition, be subject to the provisions of the Plan applicable to such options.

A. EXERCISE PRICE.

1. The exercise price per share shall be fixed by the Plan Administrator but shall not be less than eighty-five percent (85%) of the Fair Market Value per share of Common Stock on the option grant date.

2. The exercise price shall become immediately due upon exercise of the option and shall, subject to the provisions of Section I of Article Five and the documents evidencing the option, be payable in one or more of the forms specified below:

(i) cash or check made payable to the Corporation,

(ii) shares of Common Stock held for the requisite period necessary to avoid a charge to the Corporation's earnings for financial reporting purposes and valued at Fair Market Value on the Exercise Date, or

(iii) to the extent the option is exercised for vested shares, through a special sale and remittance procedure pursuant to which the Optionee shall concurrently provide irrevocable written instructions to (a) 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 exercise price payable for the purchased shares plus all applicable Federal, state and local income and employment taxes required to be withheld by the Corporation by reason of such exercise and (b) the Corporation to deliver the certificates for the purchased shares directly to such brokerage firm in order to complete the sale transaction.

Except to the extent such sale and remittance procedure is utilized, payment of the exercise price for the purchased shares must be made on the Exercise Date.

B. EXERCISE AND TERM OF OPTIONS. Each option shall be exercisable at

Edgar Filing: SYNOPSYS INC - Form S-8

such time or times, during such period and for such number of shares as shall be determined by the Plan Administrator and set forth in the documents evidencing the option. However, no option shall have a term in excess of ten (10) years measured from the option grant date.

6

C. EFFECT OF TERMINATION OF SERVICE.

1. The following provisions shall govern the exercise of any options held by the Optionee at the time of cessation of Service or death:

(i) Any option outstanding at the time of the Optionee's cessation of Service for any reason shall remain exercisable for such period of time thereafter as shall be determined by the Plan Administrator and set forth in the documents evidencing the option, but no such option shall be exercisable after the expiration of the option term.

(ii) Any option exercisable in whole or in part by the Optionee at the time of 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.

(iii) During the applicable post-Service exercise period, the option may not be exercised in the aggregate for more than the number of vested shares for which the option is exercisable on the date of the Optionee's cessation of Service. Upon the expiration of the applicable exercise period or (if earlier) upon the expiration of the option term, the option shall terminate and cease to be outstanding for any vested shares for which the option has not been exercised. However, the option shall, immediately upon the Optionee's cessation of Service, terminate and cease to be outstanding to the extent it is not exercisable for vested shares on the date of such cessation of Service.

(iv) Should the Optionee's Service be terminated for Misconduct, then all outstanding options held by the Optionee shall terminate immediately and cease to be outstanding.

(v) In the event of a Corporate Transaction, the provisions of Section III of this Article Two shall govern the period for which the outstanding options are to remain exercisable following the Optionee's cessation of Service and shall supersede any provisions to the contrary in this section.

2. The Plan Administrator shall have the discretion, exercisable either at the time an option is granted or at any time while the option remains outstanding, to:

(i) extend the period of time for which the option is to remain exercisable following the Optionee's cessation of Service from the period otherwise in effect for that option to such greater period of time as the Plan Administrator shall deem appropriate, but in no event beyond the expiration of the option term, and/or

7

Edgar Filing: SYNOPSYS INC - Form S-8

(ii) permit the option to be exercised, during the applicable post-Service exercise period, not only with respect to the number of vested shares of Common Stock for which such option is exercisable at the time of the Optionee's cessation of Service but also with respect to one or more additional installments in which the Optionee would have vested under the option had the Optionee continued in Service.

D. STOCKHOLDER RIGHTS. The holder of an option shall have no stockholder rights with respect to the shares subject to the option until such person shall have exercised the option, paid the exercise price and become a holder of record of the purchased shares.

E. REPURCHASE RIGHTS. The Plan Administrator shall have the discretion to grant options which are exercisable for unvested shares of Common Stock. Should the Optionee cease Service while holding such unvested shares, the Corporation shall have the right to repurchase, at the exercise price paid per share, any or all of those unvested shares. The terms 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 document evidencing such repurchase right.

F. LIMITED TRANSFERABILITY OF OPTIONS. During the lifetime of the Optionee, the option shall be exercisable only by the Optionee and shall not be assignable or transferable other than by will or by the laws of descent and distribution following the Optionee's death. However, a Non-Statutory Option may be assigned in accordance with the terms of a Qualified Domestic Relations Order. The assigned option may only be exercised by the person or persons who acquire a proprietary interest in the option pursuant to such Qualified Domestic Relations Order. The terms applicable to the assigned option (or portion thereof) shall be the same as those in effect for the option immediately prior to such assignment and shall be set forth in such documents issued to the assignee as the Plan Administrator may deem appropriate.

II. INCENTIVE OPTIONS

The terms specified below shall be applicable to all Incentive Options. Except as modified by the provisions of this Section II, all the provisions of Articles One, Two and Five shall be applicable to Incentive Options. Options which are specifically designated as Non-Statutory Options when issued under the Plan shall NOT be subject to the terms of this Section II.

A. ELIGIBILITY. Incentive Options may only be granted to Employees.

B. EXERCISE PRICE. The exercise price per share shall not be less than one hundred percent (100%) of the Fair Market Value per share of Common Stock on the option grant date.

C. DOLLAR LIMITATION. The aggregate Fair Market Value of the shares of Common Stock (determined as of the respective date or dates of grant) for which one or more options granted to any Employee under the Plan (or any other option plan of the Corporation or

any Parent or Subsidiary) may for the first time become exercisable as Incentive Options during any one (1) calendar year shall not exceed the sum of One Hundred Thousand Dollars (\$100,000). To the extent the Employee holds two (2) or more such options which become exercisable for the first time in the same calendar

Edgar Filing: SYNOPSYS INC - Form S-8

year, the foregoing limitation on the exercisability of such options as Incentive Options shall be applied on the basis of the order in which such options are granted.

D. 10% STOCKHOLDER. If any Employee to whom an Incentive Option is granted is a 10% Stockholder, then the exercise price per share shall not be less than one hundred ten percent (110%) of the Fair Market Value per share of Common Stock on the option grant date, and the option term shall not exceed five (5) years measured from the option grant date.

III. CORPORATE TRANSACTION/CHANGE IN CONTROL

A. In the event of any Corporate Transaction, each outstanding option shall automatically accelerate so that each such option shall, immediately prior to the effective date of the Corporate Transaction, become fully exercisable for all of the shares of Common Stock at the time subject to such option and may be exercised for any or all of those shares as fully-vested shares of Common Stock. However, an outstanding option shall NOT so accelerate if and to the extent: (i) such option is, in connection with the Corporate Transaction, either to be assumed by the successor corporation (or parent thereof) or to be 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 with a cash incentive program of the successor corporation which preserves the spread existing on the unvested option shares at the time of the Corporate Transaction and provides for subsequent payout in accordance with the same vesting schedule applicable to such option 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 option comparability under clause (i) above shall be made by the Plan Administrator, and its determination shall be final, binding and conclusive.

B. All outstanding repurchase rights shall also terminate automatically, and the shares of Common Stock subject to those terminated rights shall immediately vest in full, in the event of any Corporate Transaction, except to the extent: (i) those repurchase rights are to be assigned to the successor corporation (or parent thereof) in connection with such Corporate Transaction or (ii) such accelerated vesting is precluded by other limitations imposed by the Plan Administrator at the time the repurchase right is issued.

C. Immediately following the consummation of the Corporate Transaction, all outstanding options shall terminate and cease to be outstanding, except to the extent assumed by the successor corporation (or parent thereof).

D. Each option which is assumed in connection with a Corporate Transaction shall be appropriately adjusted, immediately after such Corporate Transaction, to apply to the number and class of securities which would have been issuable to the Optionee in consummation of such Corporate Transaction had the option been exercised immediately prior to such

Corporate Transaction. Appropriate adjustments shall also be made to (i) the number and class of securities available for issuance under the Plan on both an aggregate and per Optionee basis following the consummation of such Corporate Transaction and (ii) the exercise price payable per share under each outstanding option, PROVIDED the aggregate exercise price payable for such securities shall remain the same.

E. Any options which are assumed or replaced in the Corporate

Edgar Filing: SYNOPSYS INC - Form S-8

Transaction and do not otherwise accelerate at that time, shall automatically accelerate (and any of the Corporation's outstanding repurchase rights which do not otherwise terminate at the time of the Corporate Transaction shall automatically terminate and the shares of Common Stock subject to those terminated rights shall immediately vest in full) in the event the Optionee's Service should subsequently terminate by reason of an Involuntary Termination within eighteen (18) months following the effective date of such Corporate Transaction. Any options so accelerated shall remain exercisable for fully-vested shares until the EARLIER of (i) the expiration of the option term or (ii) the expiration of the one (1)-year period measured from the effective date of the Involuntary Termination.

F. The Plan Administrator shall have the discretion, exercisable either at the time the option is granted or at any time while the option remains outstanding, to (i) provide for the automatic acceleration of one or more outstanding options (and the automatic termination of one or more outstanding repurchase rights with the immediate vesting of the shares of Common Stock subject to those rights) upon the occurrence of a Change in Control or (ii) condition any such option acceleration (and the termination of any outstanding repurchase rights) upon the subsequent Involuntary Termination of the Optionee's Service within a specified period following the effective date of such Change in Control. Any options accelerated in connection with a Change in Control shall remain fully exercisable until the expiration or sooner termination of the option term.

G. The portion of any Incentive Option accelerated in connection with a Corporate Transaction or Change in Control shall remain exercisable as an Incentive Option only to the extent the applicable One Hundred Thousand Dollar limitation is not exceeded. To the extent such dollar limitation is exceeded, the accelerated portion of such option shall be exercisable as a Non-Statutory Option under the Federal tax laws.

H. The grant of options under the Discretionary Option Grant Program 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.

IV. CANCELLATION AND REGRANT OF OPTIONS

The Plan Administrator shall have the authority to effect, at any time and from time to time, with the consent of the affected option holders, the cancellation of any or all outstanding options under the Discretionary Option Grant Program (including outstanding options incorporated from the Predecessor Plan) and to grant in substitution new options

10

covering the same or different number of shares of Common Stock but with an exercise price per share based on the Fair Market Value per share of Common Stock on the new option grant date.

V. STOCK APPRECIATION RIGHTS

A. The Plan Administrator shall have full power and authority to grant to selected Optionees tandem stock appreciation rights and/or limited stock appreciation rights.

Edgar Filing: SYNOPSYS INC - Form S-8

B. The following terms shall govern the grant and exercise of tandem stock appreciation rights:

(i) One or more Optionees may be granted the right, exercisable upon such terms as the Plan Administrator may establish, to elect between the exercise of the underlying option for shares of Common Stock and the surrender of that option in exchange for a distribution from the Corporation in an amount equal to the excess of (A) 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 (B) the aggregate exercise price payable for such shares.

(ii) No such option surrender shall be effective unless it is approved by the Plan Administrator. If the surrender is so approved, then the distribution to which the Optionee shall be entitled 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.

(iii) 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 (A) five (5) business days after the receipt of the rejection notice or (B) the last day on which the option is otherwise exercisable in accordance with the terms of the documents evidencing such option, but in no event may such rights be exercised more than ten (10) years after the option grant date.

C. The following terms shall govern the grant and exercise of limited stock appreciation rights:

(i) One or more Section 16 Insiders may be granted limited stock appreciation rights with respect to their outstanding options.

(ii) Upon the occurrence of a Hostile Take-Over, each such individual holding one or more options with such a limited stock appreciation right in effect for at least six (6) months shall have the unconditional right (exercisable for a thirty (30)-day period following such Hostile Take-Over)

11

to surrender each such option to the Corporation, to the extent the option is at the time exercisable for vested shares of Common Stock. In return for the surrendered option, the Optionee shall receive a cash distribution from the Corporation in an amount equal to the excess of (A) the Take-Over Price of the shares of Common Stock which are at the time vested under each surrendered option (or surrendered portion thereof) over (B) the aggregate exercise price payable for such shares. Such cash distribution shall be paid within five (5) days following the option surrender date.

(iii) Neither the approval of the Plan Administrator nor the consent of the Board shall be required in connection with such option surrender and cash distribution.

(iv) The balance of the option (if any) shall continue in full force and effect in accordance with the documents evidencing such option.

ARTICLE THREE
STOCK ISSUANCE PROGRAM

I. STOCK ISSUANCE TERMS

Shares of Common Stock may be issued under the Stock Issuance Program through direct and immediate issuances without any intervening option grants. Each such stock issuance shall be evidenced by a Stock Issuance Agreement which complies with the terms specified below.

A. PURCHASE PRICE.

1. The purchase price per share shall be fixed by the Plan Administrator, but shall not be less than eighty-five percent (85%) of the Fair Market Value per share of Common Stock on the stock issuance date.

2. Subject to the provisions of Section I of Article Five, shares of Common Stock may be issued under the Stock Issuance Program for one or both of the following items of consideration which the Plan Administrator may deem appropriate in each individual instance:

- (i) cash or check made payable to the Corporation, or
- (ii) past services rendered to the Corporation (or any Parent or Subsidiary).

B. VESTING PROVISIONS.

1. Shares of Common Stock issued under the Stock Issuance Program may, in the discretion of the Plan Administrator, be fully and immediately vested upon issuance or may vest in one or more installments over the Participant's period of Service or upon attainment of specified performance objectives. The elements of the vesting schedule applicable to any unvested shares of Common Stock issued under the Stock Issuance Program, namely:

- (i) the Service period to be completed by the Participant or the performance objectives to be attained,
- (ii) the number of installments in which the shares are to vest,
- (iii) the interval or intervals (if any) which are to lapse between installments, and
- (iv) the effect which death, Permanent Disability or other event designated by the Plan Administrator is to have upon the vesting schedule,

shall be determined by the Plan Administrator and incorporated into the Stock Issuance Agreement.

Edgar Filing: SYNOPSYS INC - Form S-8

2. Any new, substituted or additional securities or other property (including money paid other than as a regular cash dividend) which the Participant may have the right to receive with respect to the Participant's unvested shares of Common Stock by reason of any stock dividend, stock split, 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 shall be issued subject to (i) the same vesting requirements applicable to the Participant's unvested shares of Common Stock and (ii) such escrow arrangements as the Plan Administrator shall deem appropriate.

3. The Participant shall have full stockholder rights with respect to any shares of Common Stock issued to the Participant under the Stock Issuance Program, whether or not the Participant's interest in those shares is vested. Accordingly, the Participant shall have the right to vote such shares and to receive any regular cash dividends paid on such shares.

4. Should the Participant cease to remain in Service while holding one or more unvested shares of Common Stock issued under the Stock Issuance Program or should the performance objectives not be attained with respect to one or more such unvested shares of Common Stock, then those shares shall be immediately surrendered to the Corporation for cancellation, and the Participant shall have no further stockholder rights with respect to those shares. To the extent the surrendered shares were previously issued to the Participant for consideration paid in cash or cash equivalent (including the Participant's purchase-money indebtedness), the Corporation shall repay to the Participant the cash consideration paid for the surrendered shares and shall cancel the unpaid principal balance of any outstanding purchase-money note of the Participant attributable to such surrendered shares.

5. The Plan Administrator may in its discretion waive the surrender and cancellation of one or more unvested shares of Common Stock (or other assets attributable thereto) which would otherwise occur upon the cessation of the Participant's Service or the non-completion of the vesting schedule applicable to such shares. Such waiver shall result in the immediate vesting of the Participant's interest in the shares of Common Stock as to which the waiver applies. Such waiver may be effected at any time, whether before or after the Participant's cessation of Service or the attainment or non-attainment of the applicable performance objectives.

II. CORPORATE TRANSACTION/CHANGE IN CONTROL

A. All of the outstanding repurchase rights under the Stock Issuance Program shall terminate automatically, and all the shares of Common Stock subject to those terminated rights shall immediately vest in full, in the event of any Corporate Transaction, except to the extent (i) those repurchase rights are assigned to the successor corporation (or parent thereof) in

14

connection with such Corporate Transaction or (ii) such accelerated vesting is precluded by other limitations imposed in the Stock Issuance Agreement.

B. Any repurchase rights that are assigned in the Corporate Transaction shall automatically terminate, and all the shares of Common Stock subject to those terminated rights shall immediately vest in full, in the event the Participant's Service should subsequently terminate by reason of an Involuntary Termination within eighteen (18) months following the effective date of such Corporate Transaction.

Edgar Filing: SYNOPSYS INC - Form S-8

C. The Plan Administrator shall have the discretion, exercisable either at the time the unvested shares are issued or at any time while the Corporation's repurchase right remains outstanding, to (i) provide for the automatic termination of one or more outstanding repurchase rights and the immediate vesting of the shares of Common Stock subject to those rights upon the occurrence of a Change in Control or (ii) condition any such accelerated vesting upon the subsequent Involuntary Termination of the Participant's Service within a specified period following the effective date of such Change in Control.

III. SHARE ESCROW/LEGENDS

Unvested shares may, in the Plan Administrator's discretion, be held in escrow by the Corporation until the Participant's interest in such shares vests or may be issued directly to the Participant with restrictive legends on the certificates evidencing those unvested shares.

15

ARTICLE FOUR AUTOMATIC OPTION GRANT PROGRAM

I. OPTION TERMS

A. GRANT DATES. Option grants shall be made on the dates specified below:

1. Each Eligible Director who is a non-employee Board member on the Effective Date and each Eligible Director who is first elected or appointed as a non-employee Board member after such date shall automatically be granted, on the Effective Date or on the date of such initial election or appointment (as the case may be), a Non-Statutory Option to purchase 20,000 shares of Common Stock.

2. On the date of each Annual Stockholders Meeting, beginning with the 1996 Annual Meeting, each individual who is to continue to serve as an Eligible Director after such meeting shall automatically be granted, whether or not such individual is standing for re-election as a Board member at that Annual Meeting, a Non-Statutory Option to purchase an additional 5,000 shares of Common Stock, provided such individual has served as a non-employee Board member for at least six (6) months prior to the date of such Annual Meeting. There shall be no limit on the number of such 5,000-share option grants any one Eligible Director may receive over his or her period of Board service.

B. EXERCISE PRICE.

1. The exercise price per share shall be equal to one hundred percent (100%) of the Fair Market Value per share of Common Stock on the option grant date.

2. The exercise price shall be payable in one or more of the alternative forms authorized under the Discretionary Option Grant Program. Except to the extent the sale and remittance procedure specified thereunder is utilized, payment of the exercise price for the purchased shares must be made on the Exercise Date.

C. OPTION TERM. Each option shall have a term of ten (10) years measured from the option grant date.

Edgar Filing: SYNOPSYS INC - Form S-8

D. EXERCISE AND VESTING OF OPTIONS. Each option shall be immediately exercisable for any or all of the option shares. However, any shares purchased under the option shall be subject to repurchase by the Corporation, at the exercise price paid per share, upon the termination of the Optionee's Service prior to vesting in those shares. Each initial grant shall vest, and the Corporation's repurchase right shall lapse, in a series of four (4) equal and successive annual installments over the Optionee's period of continued Service, with the first such installment to vest upon the Optionee's completion of one (1) year of Service measured from the option grant date. Each annual grant shall vest, and the Corporation's repurchase right shall lapse, upon the Optionee's completion of one (1) year of Service measured from the option grant date.

16

E. EFFECT OF TERMINATION OF SERVICE. The following provisions shall govern the exercise of any options held by the Optionee at the time the Optionee's Service terminates:

(i) The Optionee (or, in the event of Optionee's death, the personal representative of the Optionee's estate or 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) shall have a twelve (12)-month period following the date of the termination of the Optionee's Service in which to exercise each such option.

(ii) During the twelve (12)-month exercise period, the option may not be exercised in the aggregate for more than the number of vested shares of Common Stock for which the option is exercisable at the time of the termination of the Optionee's Service.

(iii) Should the Optionee's Service terminate by reason of death or Permanent Disability, then all shares at the time subject to the option shall immediately vest so that such option may, during the twelve (12)-month exercise period following the termination of the Optionee's Service, be exercised for all or any portion of such shares as fully-vested shares of Common Stock.

(iv) In no event shall the option remain exercisable after the expiration of the option term. Upon the expiration of the twelve (12)-month exercise period or (if earlier) upon the expiration of the option term, the option shall terminate and cease to be outstanding for any vested shares for which the option has not been exercised. However, the option shall, immediately upon the termination of the Optionee's Service, terminate and cease to be outstanding to the extent it is not exercisable for vested shares on the date of the termination of the Optionee's Service.

II. CORPORATE TRANSACTION/CHANGE IN CONTROL/HOSTILE TAKE-OVER

A. In the event of any Corporate Transaction, the shares of Common Stock at the time subject to each outstanding option but not otherwise vested shall automatically vest in full so that each such option shall, immediately prior to the effective date of the Corporate Transaction, become fully exercisable for all of the shares of Common Stock at the time subject to such option and may be exercised for all or any portion of such shares as fully-vested shares of Common Stock. Immediately following the consummation of the Corporate Transaction, each automatic option grant shall terminate and cease to be outstanding, except to the extent assumed by the successor corporation (or parent thereof).

Edgar Filing: SYNOPSYS INC - Form S-8

B. In connection with any Change in Control, the shares of Common Stock at the time subject to each outstanding option but not otherwise vested shall automatically vest in full so that each such option shall, immediately prior to the effective date of the Change in

17

Control, become fully exercisable for all of the shares of Common Stock at the time subject to such option and may be exercised for all or any portion of such shares as fully-vested shares of Common Stock. Each such option shall remain exercisable for such fully-vested option shares until the expiration or sooner termination of the option term or the surrender of the option in connection with a Hostile Take-Over.

C. Upon the occurrence of a Hostile Take-Over, the Optionee shall have a thirty (30)-day period in which to surrender to the Corporation each automatic option held by him or her for a period of at least six (6) months. 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 shares of Common Stock at the time subject to the surrendered option (whether or not the Optionee is otherwise at the time vested in those shares) over (ii) the aggregate exercise price payable for such shares. Such cash distribution shall be paid within five (5) days following the surrender of the option to the Corporation. No approval or consent of the Board shall be required in connection with such option surrender and cash distribution.

D. The grant of options under the Automatic Option Grant Program 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.

III. REMAINING TERMS

The remaining terms of each option granted under the Automatic Option Grant Program shall be the same as the terms in effect for option grants made under the Discretionary Option Grant Program.

18

ARTICLE FIVE MISCELLANEOUS

I. FINANCING

A. The Plan Administrator may permit any Optionee or Participant to pay the option exercise price under the Discretionary Option Grant Program or the purchase price for shares issued under the Stock Issuance Program by delivering a promissory note payable in one or more installments. The terms of any such promissory note (including the interest rate and the terms of repayment) shall be established by the Plan Administrator in its sole discretion. Promissory notes may be authorized with or without security or collateral. In all events, the maximum credit available to the Optionee or Participant may not exceed the sum of (i) the aggregate option exercise price or purchase price payable for the purchased shares plus (ii) any Federal, state and

Edgar Filing: SYNOPSYS INC - Form S-8

local income and employment tax liability incurred by the Optionee or the Participant in connection with the option exercise or share purchase.

B. The Plan Administrator may, in its discretion, determine that one or more such promissory notes shall be subject to forgiveness by the Corporation in whole or in part upon such terms as the Plan Administrator may deem appropriate.

II. TAX WITHHOLDING

A. The Corporation's obligation to deliver shares of Common Stock upon the exercise of options or stock appreciation rights or upon the issuance or vesting of such shares under the Plan shall be subject to the satisfaction of all applicable Federal, state and local income and employment tax withholding requirements.

B. The Plan Administrator may, in its discretion, provide any or all holders of Non-Statutory Options or unvested shares of Common Stock under the Plan (other than the options granted or the shares issued under the Automatic Option Grant Program) with the right to use shares of Common Stock in satisfaction of all or part of the Taxes incurred by such holders in connection with the exercise of their options or the vesting of their shares. Such right may be provided to any such holder in either or both of the following formats:

(i) STOCK WITHHOLDING: The election to have the Corporation withhold, from the shares of Common Stock otherwise issuable upon the exercise of such Non-Statutory Option or the vesting of such shares, a portion of those shares with an aggregate Fair Market Value equal to the percentage of the Taxes (not to exceed one hundred percent (100%)) designated by the holder.

(ii) STOCK DELIVERY: The election to deliver to the Corporation, at the time the Non-Statutory Option is exercised or the shares vest, one or more shares of Common Stock previously acquired by such holder (other than in connection with the option exercise or share vesting triggering the Taxes)

19

with an aggregate Fair Market Value equal to the percentage of the Taxes (not to exceed one hundred percent (100%)) designated by the holder.

III. EFFECTIVE DATE AND TERM OF THE PLAN

A. The Plan became effective on the Effective Date and the initial options under the Automatic Option Grant Program were made to the Eligible Directors at that time. The Plan serves as the successor to the Predecessor Plan, and no further option grants shall be made under the Predecessor Plan after the Effective Date. All options outstanding under the Predecessor Plan as of such date were incorporated into the Plan and treated as outstanding options under the Plan, upon approval of the Plan by the Corporation's stockholders. However, each outstanding option so incorporated shall continue to be governed solely by the terms of the documents evidencing such option, and no provision of the 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 Common Stock.

B. One or more provisions of the Plan, including (without limitation) the option/vesting acceleration provisions of Article Two relating to Corporate

Edgar Filing: SYNOPSYS INC - Form S-8

Transactions and Changes in Control, may, in the Plan Administrator's discretion, be extended to one or more options incorporated from the Predecessor Plan which do not otherwise contain such provisions.

C. The Plan shall terminate upon the EARLIEST of (i) March 31, 2005, (ii) the date on which all shares available for issuance under the Plan shall have been issued pursuant to the exercise of the options or the issuance of shares (whether vested or unvested) under the Plan or (iii) the termination of all outstanding options in connection with a Corporate Transaction. Upon such Plan termination, all options and unvested stock issuances outstanding on such date shall thereafter continue to have force and effect in accordance with the provisions of the documents evidencing such options or issuances.

IV. AMENDMENT OF THE PLAN

A. The Board shall have complete and exclusive power and authority to amend or modify the Plan in any or all respects. However, no such amendment or modification shall adversely affect the rights and obligations with respect to options, stock appreciation rights or unvested stock issuances at the time outstanding under the Plan, unless the Optionee or the Participant consents to such amendment or modification. In addition, the Board shall not, without the approval of the Corporation's stockholders, (i) materially increase the maximum number of shares issuable under the Plan, the number of shares for which options may be granted under the Automatic Option Grant Program or the maximum number of shares for which any one person may be granted options, separately exercisable stock appreciation rights and direct stock issuances in the aggregate over the term of the Plan, except for permissible adjustments in the event of certain changes in the Corporation's capitalization, or (ii) materially modify the eligibility requirements for Plan participation.

20

B. Options to purchase shares of Common Stock may be granted under the Discretionary Option Grant Program and shares of Common Stock may be issued under the Stock Issuance Program that are in each instance in excess of the number of shares then available for issuance under the Plan, provided any excess shares actually issued under those programs are held in escrow until there is obtained stockholder approval of an amendment sufficiently increasing the number of shares of Common Stock available for issuance under the Plan. If such stockholder approval is not obtained within twelve (12) months after the date the first such excess issuances are made, then (i) any unexercised options granted on the basis of such excess shares shall terminate and cease to be outstanding and (ii) the Corporation shall promptly refund to the Optionees and the Participants the exercise or purchase price paid for any excess shares 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, and such shares shall thereupon be automatically canceled and cease to be outstanding.

V. USE OF PROCEEDS

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

VI. REGULATORY APPROVALS

Edgar Filing: SYNOPSYS INC - Form S-8

A. The implementation of the Plan, the granting of any option or stock appreciation right under the Plan and the issuance of any shares of Common Stock (i) upon the exercise of any option or stock appreciation right or (ii) under the Stock Issuance Program shall be subject to the Corporation's procurement of all approvals and permits required by regulatory authorities having jurisdiction over the Plan, the options and stock appreciation rights granted under it and the shares of Common Stock issued pursuant to it.

B. No shares of Common Stock or other assets shall be issued or delivered under the 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 S-8 registration statement for the shares of Common Stock issuable under the Plan, and all applicable listing requirements of any stock exchange (or the Nasdaq National Market, if applicable) on which Common Stock is then listed for trading.

VII. NO EMPLOYMENT/SERVICE RIGHTS

Nothing in the Plan shall confer upon the Optionee or the Participant any right to continue in Service for any period of specific duration or interfere with or otherwise restrict in any way the rights of the Corporation (or any Parent or Subsidiary employing or retaining such person) or of the Optionee or the Participant, which rights are hereby expressly reserved by each, to terminate such person's Service at any time for any reason, with or without cause.

21

APPENDIX

The following definitions shall be in effect under the Plan:

A. AUTOMATIC OPTION GRANT PROGRAM shall mean the automatic option grant program in effect under the Plan.

B. BOARD shall mean the Corporation's Board of Directors.

C. CHANGE IN CONTROL shall mean a change in ownership or control of the Corporation effected through either of the following transactions:

(i) the acquisition, directly or indirectly, by 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), of 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) a change in the composition of the Board over a period of thirty-six (36) consecutive months or less such that a majority of the Board members ceases, by reason of one or more contested elections for Board membership, 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

Edgar Filing: SYNOPSYS INC - Form S-8

described in clause (A) who were still in office at the time the Board approved such election or nomination.

D. CODE shall mean the Internal Revenue Code of 1986, as amended.

E. COMMON STOCK shall mean the Corporation's common stock.

F. CORPORATE TRANSACTION shall mean either of the following stockholder-approved transactions to which the Corporation is a party:

(i) a merger or consolidation in which securities possessing more than fifty percent (50%) of the total combined voting power of the Corporation's outstanding securities are transferred to a person or persons different from the persons holding those immediately prior to such transaction; or

A-1

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

G. CORPORATION shall mean Avant! Corporation, a Delaware corporation.

H. DISCRETIONARY OPTION GRANT PROGRAM shall mean the discretionary option grant program in effect under the Plan.

I. DOMESTIC RELATIONS ORDER shall mean any judgment, decree or order (including approval of a property settlement agreement) which provides or otherwise conveys, pursuant to applicable State domestic relations laws (including community property laws), marital property rights to any spouse or former spouse of the Optionee.

J. EFFECTIVE DATE shall mean the date on which the Underwriting Agreement is executed and the initial public offering price of the Common Stock is established.

K. ELIGIBLE DIRECTOR shall mean a non-employee Board member eligible to participate in the Automatic Option Grant Program in accordance with the eligibility provisions of Article One.

L. EMPLOYEE shall mean an individual who is in the employ of the Corporation (or any Parent or Subsidiary), subject to the control and direction of the employer entity as to both the work to be performed and the manner and method of performance.

M. EXERCISE DATE shall mean the date on which the Corporation shall have received written notice of the option exercise.

N. FAIR MARKET VALUE per share of Common Stock on any relevant date shall be determined in accordance with the following provisions:

(i) If the Common Stock is at the time traded on the Nasdaq National Market, then the Fair Market Value shall be the closing 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 or any successor system. If there is no closing price for the Common Stock on the date in question, then the Fair Market Value shall be the closing price on the

Edgar Filing: SYNOPSYS INC - Form S-8

last preceding date for which such quotation exists.

(ii) If the Common Stock is at the time listed on any 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 closing selling price

A-2

for the Common Stock on the date in question, then the Fair Market Value shall be the closing selling price on the last preceding date for which such quotation exists.

(iii) For purposes of option grants made on the Effective Date, the Fair Market Value shall be deemed to be equal to the initial public offering price per share of Common Stock established at the time the Underwriting Agreement is executed.

O. HOSTILE TAKE-OVER shall mean a change in ownership of the Corporation effected through the following transaction:

(i) the acquisition, directly or indirectly, by 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) of 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 are accepted from persons other than Section 16 Insiders.

P. INCENTIVE OPTION shall mean an option which satisfies the requirements of Code Section 422.

Q. INVOLUNTARY TERMINATION shall mean the termination of the Service of any individual which occurs by reason of:

(i) such individual's involuntary dismissal or discharge by the Corporation for reasons other than Misconduct, or

(ii) such individual's voluntary resignation following (A) a change in his or her position with the Corporation which materially reduces his or her level of responsibility, (B) a reduction in his or her level of compensation (including base salary, fringe benefits and any non-discretionary and objective-standard incentive payment or bonus award) by more than fifteen percent (15%) or (C) a relocation of such individual's place of employment by more than fifty (50) miles, provided and only if such change, reduction or relocation is effected by the Corporation without the individual's consent.

R. MISCONDUCT shall mean the commission of any act of fraud, embezzlement or dishonesty by the Optionee or Participant, any unauthorized use or disclosure by such person

Edgar Filing: SYNOPSYS INC - Form S-8

A-3

of confidential information or trade secrets of the Corporation (or any Parent or Subsidiary), or any other intentional misconduct by such person adversely affecting the business or affairs of the Corporation (or any Parent or Subsidiary) in a material manner. The foregoing definition shall not be deemed to be inclusive of all the acts or omissions which the Corporation (or any Parent or Subsidiary) may consider as grounds for the dismissal or discharge of any Optionee, Participant or other person in the Service of the Corporation (or any Parent or Subsidiary).

S. 1934 ACT shall mean the Securities Exchange Act of 1934, as amended.

T. NON-STATUTORY OPTION shall mean an option not intended to satisfy the requirements of Code Section 422.

U. OPTIONEE shall mean any person to whom an option is granted under the Discretionary Option Grant or Automatic Option Grant Program.

V. PARENT shall mean any corporation (other than the Corporation) in an unbroken chain of corporations ending with the Corporation, provided each 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.

W. PARTICIPANT shall mean any person who is issued shares of Common Stock under the Stock Issuance Program.

X. PERMANENT DISABILITY OR PERMANENTLY DISABLED shall mean the inability of the Optionee or the Participant to engage in any substantial gainful activity by reason of any medically determinable physical or mental impairment expected to result in death or to be of continuous duration of twelve (12) months or more. However, solely for the purposes of the Automatic Option Grant Program, Permanent Disability or Permanently Disabled shall mean the inability of the non-employee Board member to perform his or her usual duties as a Board member by reason of any medically determinable physical or mental impairment expected to result in death or to be of continuous duration of twelve (12) months or more.

Y. PLAN shall mean the Corporation's 1995 Stock Option/Stock Issuance Plan, as set forth in this document.

Z. PLAN ADMINISTRATOR shall mean the particular entity, whether the Primary Committee, the Board or the Secondary Committee, which is authorized to administer the Discretionary Option Grant and Stock Issuance Programs with respect to one or more classes of eligible persons, to the extent such entity is carrying out its administrative functions under those programs with respect to the persons under its jurisdiction.

AA. PREDECESSOR PLAN shall mean the Corporation's 1993 Stock Option/Stock Issuance Plan.

A-4

Edgar Filing: SYNOPSYS INC - Form S-8

BB. PRIMARY COMMITTEE shall mean a committee of two (2) or more non-employee Board members appointed by the Board to administer the Discretionary Option Grant and Stock Issuance Programs with respect to Section 16 Insiders.

CC. QUALIFIED DOMESTIC RELATIONS ORDER shall mean a Domestic Relations Order which substantially complies with the requirements of Code Section 414(p). The Plan Administrator shall have the sole discretion to determine whether a Domestic Relations Order is a Qualified Domestic Relations Order.

DD. SECONDARY COMMITTEE shall mean a committee of one (1) or more Board members appointed by the Board to administer the Discretionary Option Grant and Stock Issuance Programs with respect to eligible persons other than Section 16 Insiders.

EE. SECTION 16 INSIDER shall mean an officer or director of the Corporation subject to the short-swing profit liabilities of Section 16 of the 1934 Act.

FF. SECTION 12(g) REGISTRATION DATE shall mean the first date on which the Common Stock is registered under Section 12(g) of the 1934 Act.

GG. SERVICE shall mean the provision of services to the Corporation (or any Parent or Subsidiary) by a person in the capacity of an Employee, a non-employee member of the board of directors or a consultant or independent advisor, except to the extent otherwise specifically provided in the documents evidencing the option grant or stock issuance.

HH. STOCK EXCHANGE shall mean either the American Stock Exchange or the New York Stock Exchange.

II. STOCK ISSUANCE AGREEMENT shall mean the agreement entered into by the Corporation and the Participant at the time of issuance of shares of Common Stock under the Stock Issuance Program.

JJ. STOCK ISSUANCE PROGRAM shall mean the stock issuance program in effect under the Plan.

KK. SUBSIDIARY shall mean any corporation (other than the Corporation) in an unbroken chain of corporations beginning with the Corporation, provided each 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.

LL. TAKE-OVER PRICE shall mean the greater of (i) the Fair Market Value per share of Common Stock on the date the option is surrendered to the Corporation in connection with a Hostile Take-Over or (ii) the highest reported price per share of Common Stock paid by the tender offeror in effecting such Hostile Take-Over. However, if the surrendered option is an Incentive Option, the Take-Over Price shall not exceed the clause (i) price per share.

A-5

MM. TAXES shall mean the Federal, state and local income and employment tax liabilities incurred by the holder of Non-Statutory Options or unvested shares of Common Stock in connection with the exercise of such holder's options or the vesting of his or her shares.

NN. 10% STOCKHOLDER shall mean the owner of stock (as determined under

Edgar Filing: SYNOPSYS INC - Form S-8

Code Section 424(d)) possessing more than ten percent (10%) of the total combined voting power of all classes of stock of the Corporation (or any Parent or Subsidiary).

OO. UNDERWRITING AGREEMENT shall mean the agreement between the Corporation and the underwriter or underwriters managing the initial public offering of the Common Stock.

A-6

Exhibit 10.2

AVANT! CORPORATION 2000 STOCK OPTION/STOCK ISSUANCE PLAN

ARTICLE ONE GENERAL PROVISIONS

I. PURPOSE OF THE PLAN

This 2000 Stock Option/Stock Issuance Plan is intended to promote the interests of Avant! Corporation, a Delaware corporation, by providing eligible persons 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.

Capitalized terms shall have the meanings assigned to such terms in the attached Appendix.

II. STRUCTURE OF THE PLAN

A. The Plan shall be divided into two separate equity programs:

(i) the Discretionary Option Grant Program under which eligible persons may, at the discretion of the Plan Administrator, be granted options to purchase shares of Common Stock, and

(ii) the Stock Issuance Program under which eligible persons may, at the discretion of the Plan Administrator, be issued shares of Common Stock directly, either through the immediate purchase of such shares or as a bonus for services rendered to the Corporation (or any Parent or Subsidiary).

B. The provisions of Articles One and Four shall apply to all equity programs under the Plan and shall accordingly govern the interests of all persons under the Plan.

III. ADMINISTRATION OF THE PLAN

A. The Board and the Primary Committee shall have the

Edgar Filing: SYNOPSYS INC - Form S-8

authority to administer the Discretionary Option Grant and Stock Issuance Programs with respect to Section 16 Insiders.

B. Administration of the Discretionary Option Grant and Stock Issuance Programs with respect to all other persons eligible to participate in these programs may, at the Board's discretion, be vested in the Primary Committee or a Secondary Committee, or the Board may retain the power to administer these programs with respect to all such persons. The members of the Secondary Committee may be individuals who are Employees eligible to receive discretionary option grants or direct stock issuances under the Plan or any stock option, stock appreciation, stock bonus or other stock plan of the Corporation (or any Parent or Subsidiary).

C. Members of the Primary Committee or any Secondary Committee shall serve for such period of time as the Board may determine and shall be subject to removal by the Board at any time. The Board may also at any time terminate the functions of any Secondary Committee and reassume all powers and authority previously delegated to such committee.

D. The Plan Administrator shall, within the scope of its administrative functions under the Plan, have full power and authority (subject to the provisions of the Plan) to establish such rules and regulations as it may deem appropriate for proper administration of the Discretionary Option Grant and Stock Issuance Programs and to make such determinations under, and issue such interpretations of, the provisions of such programs and any outstanding options or stock issuances thereunder as it may deem necessary or advisable. Decisions of the Plan Administrator within the scope of its administrative functions under the Plan shall be final and binding on all parties who have an interest in the Discretionary Option Grant or Stock Issuance Program under its jurisdiction or any option or stock issuance thereunder.

E. Service on the Primary Committee or the Secondary Committee shall constitute service as a Board member, and members of each such committee shall accordingly be entitled to full indemnification and reimbursement as Board members for their service on such committee. No member of the Primary Committee or the Secondary Committee shall be liable for any act or omission made in good faith with respect to the Plan or any option grants or stock issuances under the Plan.

IV. ELIGIBILITY

A. The persons eligible to participate in the Discretionary Option Grant and Stock Issuance Programs are as follows:

- (i) Employees,
- (ii) non-employee members of the Board or the board of directors of any Parent or Subsidiary, and
- (iii) consultants and other independent advisors who provide services to the Corporation (or any Parent or Subsidiary).

B. The Plan Administrator shall, within the scope of its administrative jurisdiction under the Plan, have full authority to determine (i) with respect to the option grants under the Discretionary Option Grant Program, which eligible persons are to receive option grants, the time or times when such option grants are to be made, the number of shares to be covered by each such grant, the time or times at which each option is to become exercisable, the vesting schedule (if any) applicable to the option shares and the maximum term for which the option is to remain outstanding and (ii) with respect to stock

Edgar Filing: SYNOPSYS INC - Form S-8

issuances under the Stock Issuance Program, which eligible persons are to receive stock issuances, the time or times when such issuances are to be made, the number of shares to be issued to each Participant, the vesting schedule (if any) applicable to the issued shares and the consideration to be paid by the Participant for such shares.

2

C. The Plan Administrator shall have the absolute discretion either to grant options in accordance with the Discretionary Option Grant Program or to effect stock issuances in accordance with the Stock Issuance Program.

V. STOCK SUBJECT TO THE PLAN

A. The stock issuable under the Plan shall be shares of authorized but unissued or reacquired Common Stock, including shares repurchased by the Corporation on the open market. The number of shares of Common Stock that may be issued over the term of the Plan shall be equal to the sum of (i) 2,000,000 shares of Common Stock, and (ii) additional shares of Common Stock, to the extent authorized by the Board, that are reacquired by the Corporation in the open market or in private transactions after the Effective Date. All options granted under the Plan will be Non-Statutory Options..

B. The number of shares of Common Stock available for issuance under the Plan shall automatically increase by 500,000 shares on the first day of each calendar year during the term of the Plan, beginning with the 2001 calendar year.

C. Shares of Common Stock subject to outstanding options shall be available for subsequent issuance under the Plan to the extent (i) the options expire, terminate or are forfeited for any reason prior to exercise in full, (ii) the options are canceled in accordance with the cancellation-regrant provisions of Article Two, Section IV, or (iii) the shares acquired upon exercise are repurchased by the Corporation pursuant to its repurchase rights under the Plan. All other shares issued under the Plan shall reduce on a share-for-share basis the number of shares of Common Stock available for subsequent issuance under the Plan. In addition, should the exercise price of an option under the Plan be paid with shares of Common Stock or should shares of Common Stock otherwise issuable under the Plan be withheld by the Corporation in satisfaction of the withholding taxes incurred in connection with the exercise of an option or the vesting of a stock issuance under the Plan, then the number of shares of Common Stock available for issuance under the Plan shall be reduced only by the net number of shares of Common Stock issued to the holder of such option or stock issuance and not by the gross number of shares for which the option is exercised or which vest under the stock issuance.

D. Should any change be made to the Common Stock 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 number and/or class of securities for which the share reserve is to increase automatically each year, (iii) the number and/or class of securities for which any one person may be granted options, separately exercisable stock appreciation rights and direct stock issuances over the term of the Plan, and (iv) the number and/or class of securities and the exercise price per share in effect under each outstanding option in order to prevent the dilution or enlargement thereof. The adjustments determined by the Plan Administrator shall be final, binding and conclusive.

ARTICLE TWO
DISCRETIONARY OPTION GRANT PROGRAM

I. OPTION TERMS

Each option shall be evidenced by one or more documents in the form approved by the Plan Administrator; PROVIDED, however, that each such document shall comply with the terms specified below.

A. EXERCISE PRICE.

1. The exercise price per share shall be fixed by the Plan Administrator but shall not be less than eighty-five percent (85%) of the Fair Market Value per share of Common Stock on the option grant date.

2. The exercise price shall become immediately due upon exercise of the option and shall, subject to the provisions of Section I of Article Four and the documents evidencing the option, be payable in one or more of the forms specified below:

(i) cash or check made payable to the Corporation,

(ii) shares of Common Stock held for the requisite period necessary to avoid a charge to the Corporation's earnings for financial reporting purposes and valued at Fair Market Value on the Exercise Date, or

(iii) to the extent the option is exercised for vested shares, through a special sale and remittance procedure pursuant to which the Optionee shall concurrently provide irrevocable written instructions to (a) 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 exercise price payable for the purchased shares plus all applicable Federal, state and local income and employment taxes required to be withheld by the Corporation by reason of such exercise and (b) the Corporation to deliver the certificates for the purchased shares directly to such brokerage firm in order to complete the sale transaction.

Except to the extent such sale and remittance procedure is utilized, payment of the exercise price for the purchased shares must be made on the Exercise Date.

B. EXERCISE AND TERM OF OPTIONS. Each option shall be exercisable at such time or times, during such period and for such number of shares as shall be determined by the Plan Administrator and set forth in the documents evidencing the option. However, no option shall have a term in excess of ten (10) years measured from the option grant date.

C. EFFECT OF TERMINATION OF SERVICE.

Edgar Filing: SYNOPSYS INC - Form S-8

1. The following provisions shall govern the exercise of any options held by the Optionee at the time of cessation of Service or death:

(i) Any option outstanding at the time of the Optionee's cessation of Service for any reason shall remain exercisable for such period of time thereafter as shall be determined by the Plan Administrator and set forth in the documents evidencing the option, but no such option shall be exercisable after the expiration of the option term.

(ii) Any option exercisable in whole or in part by the Optionee at the time of 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.

(iii) During the applicable post-Service exercise period, the option may not be exercised in the aggregate for more than the number of vested shares for which the option is exercisable on the date of the Optionee's cessation of Service. Upon the expiration of the applicable exercise period or (if earlier) upon the expiration of the option term, the option shall terminate and cease to be outstanding for any vested shares for which the option has not been exercised. However, the option shall, immediately upon the Optionee's cessation of Service, terminate and cease to be outstanding to the extent it is not exercisable for vested shares on the date of such cessation of Service.

(iv) Should the Optionee's Service be terminated for Misconduct, then all outstanding options held by the Optionee shall terminate immediately and cease to be outstanding.

(v) In the event of a Corporate Transaction, the provisions of Section III of this Article Two shall govern the period for which the outstanding options are to remain exercisable following the Optionee's cessation of Service and shall supersede any provisions to the contrary in this section.

2. The Plan Administrator shall have the discretion, exercisable either at the time an option is granted or at any time while the option remains outstanding, to:

(i) extend the period of time for which the option is to remain exercisable following the Optionee's cessation of Service from the period otherwise in effect for that option to such greater period of time as the Plan Administrator shall deem appropriate, but in no event beyond the expiration of the option term, and/or

5

(ii) permit the option to be exercised, during the applicable post-Service exercise period, not only with respect to the number of vested shares of Common Stock for which such option is exercisable at the time of the Optionee's cessation of Service but also with respect to one or more additional installments in which the Optionee would have vested under the option had the

Edgar Filing: SYNOPSYS INC - Form S-8

Optionee continued in Service.

D. STOCKHOLDER RIGHTS. The holder of an option shall have no stockholder rights with respect to the shares subject to the option until such person shall have exercised the option, paid the exercise price and become a holder of record of the purchased shares.

E. REPURCHASE RIGHTS. The Plan Administrator shall have the discretion to grant options which are exercisable for unvested shares of Common Stock. Should the Optionee cease Service while holding such unvested shares, the Corporation shall have the right to repurchase, at the exercise price paid per share, any or all of those unvested shares. The terms 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 document evidencing such repurchase right.

F. LIMITED TRANSFERABILITY OF OPTIONS. During the lifetime of the Optionee, the option shall be exercisable only by the Optionee unless the option is assigned or transferred in accordance with this paragraph. Except as otherwise determined by the Plan Administrator and incorporated in the documents evidencing the option, an option shall not be assignable or transferable other than by will or by the laws of descent and distribution following the Optionee's death. Notwithstanding the foregoing, an option may be assigned in accordance with the terms of a Qualified Domestic Relations Order. An assigned option may only be exercised by the person or persons who acquire a proprietary interest in the option in accordance with this paragraph. The terms applicable to an assigned option (or portion thereof) shall be the same as those in effect for the option immediately prior to such assignment and shall be set forth in such documents issued to the assignee as the Plan Administrator may deem appropriate.

II. CORPORATE TRANSACTION/CHANGE IN CONTROL

A. In the event of any Corporate Transaction, each outstanding option shall automatically accelerate so that each such option shall, immediately prior to the effective date of the Corporate Transaction, become fully exercisable for all of the shares of Common Stock at the time subject to such option and may be exercised for any or all of those shares as fully-vested shares of Common Stock. However, an outstanding option shall NOT so accelerate if and to the extent: (i) such option is, in connection with the Corporate Transaction, either to be assumed by the successor corporation (or parent thereof) or to be replaced with a comparable option to purchase shares

6

of the capital stock of the successor corporation (or parent thereof), (ii) such option is to be replaced with a cash incentive program of the successor corporation which preserves the spread existing on the unvested option shares at the time of the Corporate Transaction and provides for subsequent payout in accordance with the same vesting schedule applicable to such option 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 option comparability under clause (i) above shall be made by the Plan Administrator, and its determination shall be final, binding and conclusive.

B. All outstanding repurchase rights shall also terminate automatically, and the shares of Common Stock subject to those terminated rights shall immediately vest in full, in the event of any Corporate Transaction, except to the extent: (i) those repurchase rights are to be

Edgar Filing: SYNOPSYS INC - Form S-8

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

C. Immediately following the consummation of the Corporate Transaction, all outstanding options shall terminate and cease to be outstanding, except to the extent assumed by the successor corporation (or parent thereof).

D. Each option which is assumed in connection with a Corporate Transaction shall be appropriately adjusted, immediately after such Corporate Transaction, to apply to the number and class of securities which would have been issuable to the Optionee in consummation of such Corporate Transaction had the option been exercised immediately prior to such Corporate Transaction. Appropriate adjustments shall also be made to (i) the number and class of securities available for issuance under the Plan on both an aggregate and per Optionee basis following the consummation of such Corporate Transaction and (ii) the exercise price payable per share under each outstanding option, PROVIDED the aggregate exercise price payable for such securities shall remain the same.

E. Any options which are assumed or replaced in the Corporate Transaction and do not otherwise accelerate at that time, shall automatically accelerate (and any of the Corporation's outstanding repurchase rights which do not otherwise terminate at the time of the Corporate Transaction shall automatically terminate and the shares of Common Stock subject to those terminated rights shall immediately vest in full) in the event the Optionee's Service should subsequently terminate by reason of an Involuntary Termination within eighteen (18) months following the effective date of such Corporate Transaction. Any options so accelerated shall remain exercisable for fully-vested shares until the EARLIER of (i) the expiration of the option term or (ii) the expiration of the one (1)-year period measured from the effective date of the Involuntary Termination.

F. The Plan Administrator shall have the discretion, exercisable either at the time the option is granted or at any time while the option remains outstanding, to (i) provide for the automatic acceleration of one or more outstanding options (and the automatic termination of one or more outstanding repurchase rights with the immediate vesting of the shares of

7

Common Stock subject to those rights) upon the occurrence of a Change in Control or (ii) condition any such option acceleration (and the termination of any outstanding repurchase rights) upon the subsequent Involuntary Termination of the Optionee's Service within a specified period following the effective date of such Change in Control. Any options accelerated in connection with a Change in Control shall remain fully exercisable until the expiration or sooner termination of the option term.

G. The grant of options under the Discretionary Option Grant Program 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.

III. CANCELLATION AND REGRANT OF OPTIONS

The Plan Administrator shall have the authority to effect, at

Edgar Filing: SYNOPSYS INC - Form S-8

any time and from time to time, with the consent of the affected option holders, the cancellation of any or all outstanding options under the Discretionary Option Grant Program and to grant in substitution new options covering the same or different number of shares of Common Stock but with an exercise price per share based on the Fair Market Value per share of Common Stock on the new option grant date.

IV. STOCK APPRECIATION RIGHTS

A. The Plan Administrator shall have full power and authority to grant to selected Optionees tandem stock appreciation rights and/or limited stock appreciation rights.

B. The following terms shall govern the grant and exercise of tandem stock appreciation rights:

(i) One or more Optionees may be granted the right, exercisable upon such terms as the Plan Administrator may establish, to elect between the exercise of the underlying option for shares of Common Stock and the surrender of that option in exchange for a distribution from the Corporation in an amount equal to the excess of (A) 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 (B) the aggregate exercise price payable for such shares.

(ii) No such option surrender shall be effective unless it is approved by the Plan Administrator. If the surrender is so approved, then the distribution to which the Optionee shall be entitled 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.

(iii) 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

8

exercise such rights at any time prior to the LATER of (A) five (5) business days after the receipt of the rejection notice or (B) the last day on which the option is otherwise exercisable in accordance with the terms of the documents evidencing such option, but in no event may such rights be exercised more than ten (10) years after the option grant date.

C. The following terms shall govern the grant and exercise of limited stock appreciation rights:

(i) One or more Section 16 Insiders may be granted limited stock appreciation rights with respect to their outstanding options.

(ii) Upon the occurrence of a Hostile Take-Over, each such individual holding one or more options with such a limited stock appreciation right in effect for at least six (6) months shall have the unconditional right (exercisable for a thirty (30)-day period following such Hostile Take-Over) to surrender each

Edgar Filing: SYNOPSYS INC - Form S-8

such option to the Corporation, to the extent the option is at the time exercisable for vested shares of Common Stock. In return for the surrendered option, the Optionee shall receive a cash distribution from the Corporation in an amount equal to the excess of (A) the Take-Over Price of the shares of Common Stock which are at the time vested under each surrendered option (or surrendered portion thereof) over (B) the aggregate exercise price payable for such shares. Such cash distribution shall be paid within five (5) days following the option surrender date.

(iii) Neither the approval of the Plan Administrator nor the consent of the Board shall be required in connection with such option surrender and cash distribution.

(iv) The balance of the option (if any) shall continue in full force and effect in accordance with the documents evidencing such option.

9

ARTICLE THREE STOCK ISSUANCE PROGRAM

I. STOCK ISSUANCE TERMS

Shares of Common Stock may be issued under the Stock Issuance Program through direct and immediate issuances without any intervening option grants. Each such stock issuance shall be evidenced by a Stock Issuance Agreement which complies with the terms specified below.

A. PURCHASE PRICE.

1. The purchase price per share shall be fixed by the Plan Administrator, but shall not be less than eighty-five percent (85%) of the Fair Market Value per share of Common Stock on the stock issuance date.

2. Subject to the provisions of Section I of Article Five, shares of Common Stock may be issued under the Stock Issuance Program for one or both of the following items of consideration which the Plan Administrator may deem appropriate in each individual instance:

(i) cash or check made payable to the Corporation, or

(ii) past services rendered to the Corporation (or any Parent or Subsidiary).

B. VESTING PROVISIONS.

1. Shares of Common Stock issued under the Stock Issuance Program may, in the discretion of the Plan Administrator, be fully and immediately vested upon issuance or may vest in one or more installments over the Participant's period of Service or upon attainment of specified performance

Edgar Filing: SYNOPSYS INC - Form S-8

objectives. The elements of the vesting schedule applicable to any unvested shares of Common Stock issued under the Stock Issuance Program, namely:

- (i) the Service period to be completed by the Participant or the performance objectives to be attained,
- (ii) the number of installments in which the shares are to vest,
- (iii) the interval or intervals (if any) which are to lapse between installments, and

10

- (iv) the effect which death, Permanent Disability or other event designated by the Plan Administrator is to have upon the vesting schedule, shall be determined by the Plan Administrator and incorporated into the Stock Issuance Agreement.

2. Any new, substituted or additional securities or other property (including money paid other than as a regular cash dividend) which the Participant may have the right to receive with respect to the Participant's unvested shares of Common Stock by reason of any stock dividend, stock split, 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 shall be issued subject to (i) the same vesting requirements applicable to the Participant's unvested shares of Common Stock and (ii) such escrow arrangements as the Plan Administrator shall deem appropriate.

3. The Participant shall have full stockholder rights with respect to any shares of Common Stock issued to the Participant under the Stock Issuance Program, whether or not the Participant's interest in those shares is vested. Accordingly, the Participant shall have the right to vote such shares and to receive any regular cash dividends paid on such shares.

4. Should the Participant cease to remain in Service while holding one or more unvested shares of Common Stock issued under the Stock Issuance Program or should the performance objectives not be attained with respect to one or more such unvested shares of Common Stock, then those shares shall be immediately surrendered to the Corporation for cancellation, and the Participant shall have no further stockholder rights with respect to those shares. To the extent the surrendered shares were previously issued to the Participant for consideration paid in cash or cash equivalent (including the Participant's purchase-money indebtedness), the Corporation shall repay to the Participant the cash consideration paid for the surrendered shares and shall cancel the unpaid principal balance of any outstanding purchase-money note of the Participant attributable to such surrendered shares.

5. The Plan Administrator may in its discretion waive the surrender and cancellation of one or more unvested shares of Common Stock (or other assets attributable thereto) which would otherwise occur upon the cessation of the Participant's Service or the non-completion of the vesting schedule applicable to such shares. Such waiver shall result in the immediate vesting of the Participant's interest in the shares of Common Stock as to which the waiver applies. Such waiver may be effected at any time, whether before or after the Participant's cessation of Service or the attainment or non-attainment of the applicable performance objectives.

II. CORPORATE TRANSACTION/CHANGE IN CONTROL

Edgar Filing: SYNOPSYS INC - Form S-8

A. All of the outstanding repurchase rights under the Stock Issuance Program shall terminate automatically, and all the shares of Common Stock subject to those terminated rights shall immediately vest in full, in the event of any Corporate Transaction, except to the extent (i) those repurchase rights are assigned to the successor corporation (or parent thereof) in connection with such Corporate Transaction or (ii) such accelerated vesting is precluded by other limitations imposed in the Stock Issuance Agreement.

11

B. Any repurchase rights that are assigned in the Corporate Transaction shall automatically terminate, and all the shares of Common Stock subject to those terminated rights shall immediately vest in full, in the event the Participant's Service should subsequently terminate by reason of an Involuntary Termination within eighteen (18) months following the effective date of such Corporate Transaction.

C. The Plan Administrator shall have the discretion, exercisable either at the time the unvested shares are issued or at any time while the Corporation's repurchase right remains outstanding, to (i) provide for the automatic termination of one or more outstanding repurchase rights and the immediate vesting of the shares of Common Stock subject to those rights upon the occurrence of a Change in Control or (ii) condition any such accelerated vesting upon the subsequent Involuntary Termination of the Participant's Service within a specified period following the effective date of such Change in Control.

III. SHARE ESCROW/LEGENDS

Unvested shares may, in the Plan Administrator's discretion, be held in escrow by the Corporation until the Participant's interest in such shares vests or may be issued directly to the Participant with restrictive legends on the certificates evidencing those unvested shares.

ARTICLE FOUR MISCELLANEOUS

I. FINANCING

A. The Plan Administrator may permit any Optionee or Participant to pay the option exercise price under the Discretionary Option Grant Program or the purchase price for shares issued under the Stock Issuance Program by delivering a promissory note payable in one or more installments. The terms of any such promissory note (including the interest rate and the terms of repayment) shall be established by the Plan Administrator in its sole discretion. Promissory notes may be authorized with or without security or collateral. In all events, the maximum credit available to the Optionee or Participant may not exceed the sum of (i) the aggregate option exercise price or purchase price payable for the purchased shares plus (ii) any Federal, state and local income and employment tax liability incurred by the Optionee or the Participant in connection with the option exercise or share purchase.

B. The Plan Administrator may, in its discretion, determine that one or more such promissory notes shall be subject to forgiveness by the Corporation in whole or in part upon such terms as the Plan Administrator may deem appropriate.

II. TAX WITHHOLDING

A. The Corporation's obligation to deliver shares of Common Stock upon the exercise of options or stock appreciation rights or upon the issuance or vesting of such shares under the Plan shall be subject to the satisfaction of all applicable Federal, state and local income and employment tax withholding requirements.

B. The Plan Administrator may, in its discretion, provide any or all holders of options or unvested shares of Common Stock under the Plan with the right to use shares of Common Stock in satisfaction of all or part of the Taxes incurred by such holders in connection with the exercise of their options or the vesting of their shares. Such right may be provided to any such holder in either or both of the following formats:

(i) STOCK WITHHOLDING: The election to have the Corporation withhold, from the shares of Common Stock otherwise issuable upon the exercise of such option or the vesting of such shares, a portion of those shares with an aggregate Fair Market Value equal to the percentage of the Taxes (not to exceed one hundred percent (100%)) designated by the holder.

(ii) STOCK DELIVERY: The election to deliver to the Corporation, at the time the option is exercised or the shares vest, one or more shares of Common Stock previously acquired by such holder (other than in connection with the option exercise or share vesting triggering the Taxes) with an aggregate Fair Market Value equal to the percentage of the Taxes (not to exceed one hundred percent (100%)) designated by the holder.

III. EFFECTIVE DATE AND TERM OF THE PLAN

A. The Plan shall become effective on the Effective Date.

B. The Plan shall remain in effect until it is terminated. The Board may terminate the Plan at any time and for any reason, PROVIDED, however, that upon such Plan termination, all options, stock appreciation rights and unvested stock issuances outstanding on such date shall thereafter continue to have force and effect in accordance with the provisions of the documents evidencing such options or issuances.

IV. AMENDMENT OF THE PLAN

A. The Board shall have complete and exclusive power and authority to amend or modify the Plan in any or all respects. However, no such amendment or modification shall adversely affect the rights and obligations with respect to options, stock appreciation rights or unvested stock issuances at the time outstanding under the Plan, unless the Optionee or the Participant consents to such amendment or modification.

B. Options to purchase shares of Common Stock may be granted under the Discretionary Option Grant Program and shares of Common Stock may be issued under the Stock Issuance Program that are in each instance in excess of the number of shares then available for issuance under the Plan, provided any excess shares actually issued under those programs are held in escrow until there is obtained approval by the Board of an amendment sufficiently increasing the number of shares of Common Stock available for issuance under the Plan. If such approval is not obtained within twelve (12) months after the date the first such excess issuances are made, then (i) any unexercised options granted on the basis of such excess shares shall terminate and cease to be outstanding and (ii) the Corporation shall promptly refund to the Optionees and the Participants the exercise or purchase price paid for any excess shares 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, and such shares shall thereupon be automatically canceled and cease to be outstanding.

V. USE OF PROCEEDS

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

VI. REGULATORY APPROVALS

A. The implementation of the Plan, the granting of any option or stock appreciation right under the Plan and the issuance of any shares of Common Stock (i) upon the exercise of any option or stock appreciation right or (ii) under the Stock Issuance Program shall be subject to the Corporation's procurement of all approvals and permits required by regulatory authorities having jurisdiction over the Plan, the options and stock appreciation rights granted under it and the shares of Common Stock issued pursuant to it.

B. No shares of Common Stock or other assets shall be issued or delivered under the 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 S-8 registration statement for the shares of Common Stock issuable under the Plan, and all applicable listing requirements of any stock exchange (or the Nasdaq National Market, if applicable) on which Common Stock is then listed for trading.

VII. NO EMPLOYMENT/SERVICE RIGHTS

Nothing in the Plan shall confer upon the Optionee or the Participant any right to continue in Service for any period of specific duration or interfere with or otherwise restrict in any way the rights of the Corporation (or any Parent or Subsidiary employing or retaining such person) or of the Optionee or the Participant, which rights are hereby expressly reserved by each, to terminate such person's Service at any time for any reason, with or without cause.

APPENDIX

The following definitions shall be in effect under the Plan:

A. BOARD shall mean the Corporation's Board of Directors.

B. CHANGE IN CONTROL shall mean a change in ownership or control of the Corporation effected through either of the following transactions:

(i) the acquisition, directly or indirectly, by 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), of 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) a change in the composition of the Board over a period of thirty-six (36) consecutive months or less such that a majority of the Board members ceases, by reason of one or more contested elections for Board membership, 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 the Board approved such election or nomination.

C. CODE shall mean the Internal Revenue Code of 1986, as amended.

D. COMMON STOCK shall mean the Corporation's common stock.

E. CORPORATE TRANSACTION shall mean either of the following stockholder-approved transactions to which the Corporation is a party:

(i) a merger or consolidation in which securities possessing more than fifty percent (50%) of the total combined voting power of the Corporation's outstanding securities are transferred to a person or persons different from the persons holding those immediately prior to such transaction; or

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

A-1

F. CORPORATION shall mean Avant! Corporation, a Delaware

Edgar Filing: SYNOPSYS INC - Form S-8

corporation.

G. DISCRETIONARY OPTION GRANT PROGRAM shall mean the discretionary option grant program in effect under the Plan.

H. DOMESTIC RELATIONS ORDER shall mean any judgment, decree or order (including approval of a property settlement agreement) which provides or otherwise conveys, pursuant to applicable State domestic relations laws (including community property laws), marital property rights to any spouse or former spouse of the Optionee.

I. EFFECTIVE DATE shall mean the date on which the Plan is adopted by the Board.

J. ELIGIBLE DIRECTOR shall mean a non-employee Board member eligible to participate in the Option Grant Program in accordance with the eligibility provisions of Article One.

K. EMPLOYEE shall mean an individual who is in the employ of the Corporation (or any Parent or Subsidiary), subject to the control and direction of the employer entity as to both the work to be performed and the manner and method of performance.

L. EXERCISE DATE shall mean the date on which the Corporation shall have received written notice of the option exercise.

M. FAIR MARKET VALUE per share of Common Stock on any relevant date shall be determined in accordance with the following provisions:

(i) If the Common Stock is at the time traded on the Nasdaq National Market, then the Fair Market Value shall be the closing 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 or any successor system. If there is no closing price for the Common Stock on the date in question, then the Fair Market Value shall be the closing price on the last preceding date for which such quotation exists.

(ii) If the Common Stock is at the time listed on any 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 closing selling price for the Common Stock on the date in question, then the Fair Market Value shall be the closing selling price on the last preceding date for which such quotation exists.

A-2

N. HOSTILE TAKE-OVER shall mean a change in ownership of the Corporation effected through the following transaction:

(i) the acquisition, directly or indirectly, by 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) of beneficial ownership (within the meaning of Rule 13d-3 of the 1934 Act) of securities possessing more than

Edgar Filing: SYNOPSYS INC - Form S-8

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 are accepted from persons other than Section 16 Insiders.

O. INVOLUNTARY TERMINATION shall mean the termination of the Service of any individual which occurs by reason of:

(i) such individual's involuntary dismissal or discharge by the Corporation for reasons other than Misconduct, or

(ii) such individual's voluntary resignation following (A) a change in his or her position with the Corporation which materially reduces his or her level of responsibility, (B) a reduction in his or her level of compensation (including base salary, fringe benefits and any non-discretionary and objective-standard incentive payment or bonus award) by more than fifteen percent (15%) or (C) a relocation of such individual's place of employment by more than fifty (50) miles, provided and only if such change, reduction or relocation is effected by the Corporation without the individual's consent.

P. MISCONDUCT shall mean the commission of any act of fraud, embezzlement or dishonesty by the Optionee or Participant, any unauthorized use or disclosure by such person of confidential information or trade secrets of the Corporation (or any Parent or Subsidiary), or any other intentional misconduct by such person adversely affecting the business or affairs of the Corporation (or any Parent or Subsidiary) in a material manner. The foregoing definition shall not be deemed to be inclusive of all the acts or omissions which the Corporation (or any Parent or Subsidiary) may consider as grounds for the dismissal or discharge of any Optionee, Participant or other person in the Service of the Corporation (or any Parent or Subsidiary).

Q. 1934 ACT shall mean the Securities Exchange Act of 1934, as amended.

R. NON-STATUTORY OPTIONS shall mean options not intended to satisfy the requirements of Code Section 422.

A-3

S. OPTIONEE shall mean any person to whom an option is granted under the Discretionary Option Grant Program.

T. PARENT shall mean any corporation (other than the Corporation) in an unbroken chain of corporations ending with the Corporation, provided each 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.

U. PARTICIPANT shall mean any person who is issued shares of Common Stock under the Stock Issuance Program.

Edgar Filing: SYNOPSYS INC - Form S-8

V. PERMANENT DISABILITY OR PERMANENTLY DISABLED shall mean the inability of the Optionee or the Participant to engage in any substantial gainful activity by reason of any medically determinable physical or mental impairment expected to result in death or to be of continuous duration of twelve (12) months or more.

W. PLAN shall mean the Corporation's 2000 Stock Option/Stock Issuance Plan, as set forth in this document.

X. PLAN ADMINISTRATOR shall mean the particular entity, whether the Primary Committee, the Board or the Secondary Committee, which is authorized to administer the Discretionary Option Grant and Stock Issuance Programs with respect to one or more classes of eligible persons, to the extent such entity is carrying out its administrative functions under those programs with respect to the persons under its jurisdiction.

Y. PRIMARY COMMITTEE shall mean a committee of two (2) or more non-employee Board members appointed by the Board to administer the Discretionary Option Grant and Stock Issuance Programs with respect to Section 16 Insiders.

Z. QUALIFIED DOMESTIC RELATIONS ORDER shall mean a Domestic Relations Order which substantially complies with the requirements of Code Section 414(p). The Plan Administrator shall have the sole discretion to determine whether a Domestic Relations Order is a Qualified Domestic Relations Order.

AA. SECONDARY COMMITTEE shall mean a committee of one (1) or more Board members appointed by the Board to administer the Discretionary Option Grant and Stock Issuance Programs with respect to eligible persons other than Section 16 Insiders.

BB. SECTION 16 INSIDER shall mean an officer or director of the Corporation subject to the short-swing profit liabilities of Section 16 of the 1934 Act.

CC. SERVICE shall mean the provision of services to the Corporation (or any Parent or Subsidiary) by a person in the capacity of an Employee, a non-employee member of the board of directors or a consultant or independent advisor, except to the extent otherwise specifically provided in the documents evidencing the option grant or stock issuance.

A-4

DD. STOCK EXCHANGE shall mean either the American Stock Exchange or the New York Stock Exchange.

EE. STOCK ISSUANCE AGREEMENT shall mean the agreement entered into by the Corporation and the Participant at the time of issuance of shares of Common Stock under the Stock Issuance Program.

FF. STOCK ISSUANCE PROGRAM shall mean the stock issuance program in effect under the Plan.

GG. SUBSIDIARY shall mean any corporation (other than the Corporation) in an unbroken chain of corporations beginning with the Corporation, provided each 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.

Edgar Filing: SYNOPSYS INC - Form S-8

HH. TAKE-OVER PRICE shall mean the greater of (i) the Fair Market Value per share of Common Stock on the date the option is surrendered to the Corporation in connection with a Hostile Take-Over or (ii) the highest reported price per share of Common Stock paid by the tender offeror in effecting such Hostile Take-Over.

II. TAXES shall mean the Federal, state and local income and employment tax liabilities incurred by the holder of Non-Statutory Options or unvested shares of Common Stock in connection with the exercise of such holder's options or the vesting of his or her shares.

A-5

Exhibit 23.1

CONSENT OF KPMG LLP, INDEPENDENT AUDITORS

The Board of Directors
Synopsys, Inc.:

We consent to incorporation herein of our report dated November 20, 2001, except as to Notes 9 and 11, which are as of December 20, 2001, relating to the consolidated balance sheets of Synopsys, Inc. and subsidiaries as of October 31, 2001 and 2000, and the related consolidated statements of operations, stockholders' equity and comprehensive income, and cash flows for each of the years in the two-year period ended October 31, 2001, the one-month period ended October 31, 1999, and the year ended September 30, 1999, and of our related report dated November 20, 2001, relating to the consolidated financial statement schedule, which reports appear in the annual report on Form 10-K of Synopsys, Inc.

Mountain View, California
July 25, 2002