DE GEUS AART Form 4

December 12, 2017

UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549

Check this box

if no longer subject to Section 16.

Form 4 or Form 5 obligations

may continue. See Instruction STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF **SECURITIES**

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, Section 17(a) of the Public Utility Holding Company Act of 1935 or Section 30(h) of the Investment Company Act of 1940

(Print or Type Responses)

1(b).

(Last)

1. Name and Address of Reporting Person * DE GEUS AART

(First)

(Street)

2. Issuer Name and Ticker or Trading Symbol

SYNOPSYS INC [SNPS]

3. Date of Earliest Transaction (Month/Day/Year)

690 EAST MIDDLEFIELD ROAD 12/08/2017

(Middle)

4. If Amendment, Date Original Filed(Month/Day/Year)

5. Relationship of Reporting Person(s) to Issuer

OMB APPROVAL

3235-0287

January 31,

2005

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Number:

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Estimated average

burden hours per

(Check all applicable)

X Director 10% Owner Other (specify _X__ Officer (give title below)

Chairman of the Board & Co-CEO

6. Individual or Joint/Group Filing(Check

Applicable Line) _X_ Form filed by One Reporting Person

Form filed by More than One Reporting Person

MOUNTAIN VIEW, CA 94043

(City)	(State)	(Zip) Tab	le I - Non-	Derivative	e Secu	rities Acc	quired, Disposed	of, or Benefic	ially Owned
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. 4. Securities Acquired Transaction(A) or Disposed of (D) Code (Instr. 3, 4 and 5) (Instr. 8)			ed of (D)	5. Amount of Securities Beneficially Owned Following Reported Transaction(s)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
			Code V	Amount		Price	(Instr. 3 and 4)		
Common Stock	12/08/2017		M	8,725	A	\$ 0	8,918	D	
Common Stock	12/08/2017		M	7,365	A	\$ 0	16,283	D	
Common Stock	12/08/2017		M	9,673	A	\$ 0	25,956	D	
Common Stock	12/08/2017		M	7,661	A	\$ 0	33,617	D	
Common Stock	12/08/2017		F	4,553 (1)	D	\$ 90.51	29,064	D	

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Common Stock	12/08/2017	F	3,844 (1)	D	\$ 90.51	25,220	D	
Common Stock	12/08/2017	F	5,048 (1)	D	\$ 90.51	20,172	D	
Common Stock	12/08/2017	F	3,998 (2)	D	\$ 90.51	16,174	D	
Common Stock						208,285	I	by Family Trust
Common Stock						14,500	I	by Partnership
Common Stock						321,551	I	by Separate Prop Tr

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

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Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transactic Code (Instr. 8)	5. Number of ctionDerivative Securities Acquired 8) (A) or Disposed of (D) (Instr. 3, 4, and 5)		6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title a Underlyi (Instr. 3 a
				Code V	(A)	(D)	Date Exercisable	Expiration Date	Title
Non-Qualified Stock Option (right to buy)	\$ 90.51	12/08/2017		A(3)	120,839		12/08/2018(4)	12/08/2024	Comm
Restricted Stock Units	\$ 0	12/08/2017		D		8,725	12/08/2017	12/08/2017	Comm
Restricted Stock Units	\$ 0	12/08/2017		D		7,365	12/08/2017	12/08/2018	Comm
Restricted Stock Units	\$ 0	12/08/2017		D		9,673	12/08/2017	12/08/2019	Comm
Restricted Stock Units	\$ 0	12/08/2017		A(5)	30,644		12/08/2017 <u>(6)</u>	12/08/2020	Comm
Restricted Stock Units	\$ 0	12/08/2017		D		7,661	12/08/2017 <u>(6)</u>	12/08/2020	Comm

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Reporting Owners

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

DE GEUS AART
690 EAST MIDDLEFIELD ROAD X Chairman of the Board & Co-CEO MOUNTAIN VIEW, CA 94043

Signatures

By: POA pursuant Christina Escalante-Dutra For: Aart de Geus 12/12/2017

**Signature of Reporting Person Date

Explanation of Responses:

- * If the form is filed by more than one reporting person, see Instruction 4(b)(v).
- ** Intentional misstatements or omissions of facts constitute Federal Criminal Violations. See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).
- These shares were retained by the Company in order to meet the tax withholding obligations of the award holder in connection with the vesting of an installment of the restricted stock unit award. The Compensation Committee approved the disposition of shares by the award holder and the amount retained by the Company was not in excess of the amount of the tax liability.
- These shares were retained by the Company in order to meet the tax withholding obligations of the award holder in connection with the vesting of an installment of the performance restricted stock unit award. The Compensation Committee approved the disposition of shares by the award holder and the amount retained by the Company was not in excess of the amount of the tax liability.
- Grant to reporting person to buy shares of common stock under the Synopsys, Inc 2006 Employee Equity Incentive Plan. The Compensation Committee of the Board of Directors approved an option grant value of \$2,250,000, with the number of shares subject to the option to be determined by dividing that amount by the fair value of an option to acquire a share of Synopsys common stock on the grant date using the Black-Scholes option pricing model.
- (4) 1/4 of the grant becomes exercisable one year after grant date with the remainder becoming exercisable in a series of 12 equal quarterly installments thereafter.
- On 12/15/16 the Compensation Committee of the Board of Directors approved a Restricted Stock Unit grant value of \$1,850,000, with the number of granted Restricted Stock Units to be determined by dividing that amount by the closing price of Synopsys common stock on the grant date. The vesting of such Restricted Stock Units was based on satisfaction of certain performance criteria for the fiscal year ending 10/28/17. The performance criteria were met.
- (6) 25% of the units vest on the date shown followed by three equal annual installments.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.

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