DE GEUS AART Form 4 December 14, 2018

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

OMB APPROVAL OMB

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obligations

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

may continue. 30(h) of the Investment Company Act of 1940 See Instruction

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person * DE GEUS AART			2. Issuer Name and Ticker or Trading Symbol SYNOPSYS INC [SNPS]	5. Relationship of Reporting Person(s) to Issuer (Check all applicable)		
(Last)	(First)	(Middle)	3. Date of Earliest Transaction	(Check an applicable)		
			(Month/Day/Year)	X Director 10% Owner		
690 EAST MIDDLEFIELD ROAD			12/12/2018	_X_ Officer (give title Other (specify below)		
(Street)			4. If Amendment, Date Original	6. Individual or Joint/Group Filing(Check		
			Filed(Month/Day/Year)	Applicable Line) _X_ Form filed by One Reporting Person		
MOUNTAIN VIEW, CA 94043				Form filed by More than One Reporting Person		

(City)	(State)	(Zip) Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially 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)				5. Amount of 6. Securities Ownership Beneficially Form: Owned Direct (D) Following or Indirect Reported (I)		7. Nature of Indirect Beneficial Ownership (Instr. 4)		
			Code V	Amount	or (D)	Price	Transaction(s) (Instr. 3 and 4)	(Instr. 4)			
Common Stock	12/12/2018		M	6,215	A	\$0	36,767	D			
Common Stock	12/12/2018		F	3,082 (1)	D	\$ 89.76	33,685	D			
Common Stock							188,285	I	by Family Trust		
Common Stock							14,500	I	by Partnership		
Common Stock							271,551	I	by Separate Prop Tr		

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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. Transactio Code (Instr. 8)	5. Number of Derivative Securities A (A) or Disp (D) (Instr. 3, 4,	acquired osed of	6. Date Exercisab 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)	\$ 89.76	12/12/2018		A(2)	104,646		12/12/2019(3)	12/12/2025	Comm Stock
Restricted Stock Units	\$ 0	12/12/2018		A(4)	24,859		12/12/2018(5)	12/08/2021	Comm Stock
Restricted Stock Units	\$ 0	12/12/2018		D		6,215	12/12/2018(5)	12/08/2021	Comm Stock

Reporting Owners

Reporting Owner Name / Address	Relationships					
• 0	Director	10% Owner	Officer	Other		
DE GEUS AART 690 EAST MIDDLEFIELD ROAD MOUNTAIN VIEW, CA 94043	X		Chairman of the Board & Co-CEO			

Signatures

By: POA pursuant Christina Escalante-Dutra For: Aart de Geus 12/14/2018

**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 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.
- (2) 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 \$2,225,000, 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

Reporting Owners 2

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grant date using the Black-Scholes option pricing model.

- (3) 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 12/08/17 the Compensation Committee of the Board of Directors approved a Restricted Stock Unit grant value of \$2,250,000, 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 11/03/18. The performance criteria were met.
- (5) 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.