FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington,	D.C.	20549
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Check this box if no longer subject to
Section 16. Form 4 or Form 5
obligations may continue. See
Instruction 1(b)

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

OMB APPROVAL OMB Number: Estimated average burden hours per response: 0.5

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

Column Stock 15367 Common Stock 1439/2018 State 15367 Common Stock 1439/2018 State 15367 Common Stock 1439/2018 State 15367 Code V Amount V Amou	1. Name and Address of Reporting Person* <u>CASHMAN JAMES E III</u>									cker or ANSS		g Symbol		Relationship of Reporting Person(s) to Issuer (Check all applicable) X Director 10% Owner							
A. If Amendment, Date of Original Field (Month/Day/Year) Canon Study	2600 AN	ISYS DRIV	•	(Middle))				st Trar	nsaction	(Mont	th/Day/Year)									
Column Stock 15367 Common Stock 1419/2018 Stock 14	SOUTHPOINTE					_ 4.	4. If Amendment, Date of Original Filed (Month/Day/Year)														
Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned 2. Transaction Date (Month/Day/Year) 2. A Deemed Date (Berus) 2. Transaction Date (Berus) 2. Transaction Date (Month/Day/Year) 2. Transaction Date (Month/Day/Y	(Street) CANONSBURG PA 15367												Form filed by More than One Reporting								
Transaction (Month/Day/Year) Common Stock 04/19/2018	(City)	(S	tate)	(Zip)																	
Date (Month/Day/Year) Date			Tab	le I - I	Non-Deri	vativ	e Sec	curitie	es A	cquire	ed, D	isposed o	f, or B	eneficia	lly Owned						
Code V	1. Title of Security (Instr. 3)			Date		Execution Date, ar) if any		Transaction Code (Instr.					Securities Beneficiall Owned Fol	Form: D (D) or Ir		irect direct	Indire Benef Owne	ndirect eneficial			
Common Stock								Code	v	Amount	(A) or (D)	Price	Transactio	n(s) d 4)			(Instr. 4)				
Common Stock	Common Stock			04/19/2018		3		M		17,958(1)	Α	\$48.97(378,46	64 ⁽²⁾ I)					
Common Stock 04/19/2018 S 15,963(3) D (4) 367,043(2) D	Common Stock		04/19/2018		3		M		12,042(1)	A	\$58.67(390,50	6 ⁽²⁾ D)						
Common Stock	Common Stock		04/19/2018				S		7,500(1)	D	(3)	383,00)6 ⁽²⁾ D)						
Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities) 1. Title of Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities) 3. Transaction Date (Month/Day/Year) 33. Deemed Execution Date (Instr. 3) 64,500 I Reflects shares held in a family limited partnership. 8. Price of Of Securities Underlying Derivative Security (Instr. 3) 64,500 I Derivative Securities Shares held in a family limited partnership. 8. Price of Of Securities Underlying Derivative Security (Instr. 3) 8. Price of Of Securities Underlying Derivative Security (Instr. 4) 9. Number of of Securities Underlying Derivative Security (Instr. 3) 9. Number of Ownership Form: Derivative Security (Instr. 3) 10. Ownership Form: Derivative Security (Instr. 4) 11. Nature Expiration Date (Month/Day/Year) 12. Nature of Security (Instr. 4) 13. Amount or Number of Security (Instr. 4) 14. Amount or Number of Shares 15. Title of Securities Securities (Instr. 4) 15. Number of Security (Instr. 4) 16. Ownership Form: Derivative Security (Instr. 4) 17. Title and Amount of Security (Instr. 3 and 4) 18. Price of Securities Underlying Derivative Security (Instr. 4) 19. Ownership Form: Derivative Security (Instr. 4) 19. Ownership F	Common Stock		04/19/2018				S	Щ	15,963(1)	D	(4)	367,04	13 ⁽²⁾	D							
Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities) 1. Title of Derivative Securities Of Derivative Securities Security (Instr. 3) 2. Conversion or Exercise Price of Derivative Security (Instr. 3) 3. Transaction Date Execution Date (Month/Day/Year) (Month/Day/Year) 4. Transaction Date (A) or Disposed of Order (Instr. 4) 5. Number of Executites (Month/Day/Year) (Month/Day/Year) (Instr. 3) 6. Date Exercisable and Expiration Date (Month/Day/Year) (Instr. 3) 7. Title and Amount of Securities Securities (Month/Day/Year) (Instr. 3) 9. Number of Derivative Securities (Month/Day/Year) (Instr. 4) 10. Ownership Form: Direct (D) Owned Following Reported (I) (Instr. 4) 10. Ownership Form: Direct (D) Owned Following Reported (I) (Instr. 4) 11. Nature of Securities (Month/Day/Year) (Instr. 3) 12. Nature of Securities (Month/Day/Year) (Instr. 4) 13. Transaction Date (Instr. 4) 14. Nature of Securities (Month/Day/Year) (Instr. 3) 15. Number of Securities (Month/Day/Year) (Instr. 3) 16. Date Exercisable and Typication Date (Month/Day/Year) (Instr. 4) 17. Number of Securities (Instr. 5) 18. Number of Securities (Month/Day/Year) (Instr. 4) 19. Ownership Form: Direct (D) Owned Following Reported (I) (Instr. 4) 19. Ownership Form: Or Number of Securities (Instr. 4) 19. Ownership Form: Or Number of Securities (Instr. 4) 19. Ownership Form: Or Number of Securities (Instr. 4) 19. Ownership Form: Or Number of Securities (Instr. 4) 19. Ownership Form: Or Number of Securities (Instr. 4) 19. Ownership Form: Or Number of Securities (Instr. 4) 19. Ownership Form: Or Number of Securities (Instr. 4) 19. Ownership Form: Or Number of Securities (Instr. 4) 19. Ownership Form: Or Number of Securities (Instr. 4) 19. Ownership Form: Or Number of Securities (Instr. 4) 19. Ownership Form: Or Number of Securities (Instr. 4) 19. Ownership Form: Or Number of Securities (Instr. 4) 19. Ownership Form: Or Number of Securities (Instr. 4)	Common Stock		04/19/2018				S		6,537	D	(5)	360,50	16 ⁽²⁾ D								
(e.g., puts, calls, warrants, options, convertible securities) 1. Title of Derivative Security (Instr. 3) 1. Title of Derivative Security (Instr. 3) 2. Conversion or Exercise (Month/Day/Year) Price of Derivative Security (Instr. 3) 2. Conversion or Exercise (Month/Day/Year) (Common Stock													64,5	64,500		I		shares held in a family limited		
1. Title of Derivative Security (Instr. 3) 2. Conversion or Exercise Price of Derivative Security (Instr. 3) Price of Derivative Security (Instr. 3) Amount or Derivative Security (Instr. 3) Option To Purchase \$4. Transaction Date (Month/Day/Year) 33. Deemed Execution Date, if any (Month/Day/Year) 4. Transaction Code (Instr. 8) 4. Transaction or Exercisable and Expiration Date (Month/Day/Year) 5. Number of Derivative Securities Underlying Derivative Security (Instr. 3 and 4) Transaction (A) or Number of Derivative Security (Instr. 4) Amount or Number of Derivative Security (Instr. 4) Option To Purchase \$48.97 Option To Purchase \$48.97 Option To Purchase \$48.97 Option To Purchase \$48.97 Option To Purchase \$4. Title and Amount of Securities (Month/Day/Year) 5. Number of Derivative Security (Instr. 3) 5. Number of Derivative Security (Instr. 3) Amount or Number of Derivative Security (Instr. 4) Option To Purchase \$4. Title and Amount of Securities (Month/Day/Year) Option To Securities Option To Purchase \$4. Title and Amount of Securities (Month/Day/Year) Option To Security (Instr. 3) Option To Security (Instr. 4) Option To Security (Instr. 3) Option To Security (Instr. 4) Option To Security (Instr. 5) Option To Security (Instr. 4) Option To Security			7	Гablе											y Owned						
Code V (A) Date Exercisable Expiration Date Title or Number of Shares Option To Purchase \$48.97 04/19/2018 M 17,958 (6) 11/15/2020 Common Stock 17,958 \$0 0 D Option To Spice Stock \$58.67 04/19/2018 M 12,042 (7) 11/14/2021 Common Commo	1. Title of Derivative Security (Instr. 3)	Conversion or Exercise Price of Derivative	Date	Execut if any	ion Date,	Transa Code (action of Derivative Securities Acquired (A) or Disposed of (D) (Instr.		Expiration D (Month/Day/		ate	7. Title and Amo of Securities Underlying Derivative Secu		Derivative Security	derivat Securit Benefic Owned Follow Report Transa	tive ties cially I ing ied cction(s)	Owners Form: Direct (or Indir	ship (D) (ect (of Indirect Beneficial Ownership		
Purchase \$40.57 04/15/2010 M 17,550 Stock 17,550 \$0 0 D						Code	v	(A) ((D)		isable		Title	or Number of							
	Option To Purchase	\$48.97	04/19/2018			M			17,958	(6)	11/15/2020		ⁿ 17,958	\$0	0		D			
	Option To Purchase	\$58.67	04/19/2018			M			12,042	(7)	11/14/2021		n 12,042	\$0	61,	61,254		\neg		

Explanation of Responses:

- 1. Pursuant to a 10b5-1 plan currently in place.
- 2 Includes 33 658 Retricted Stock Units
- 3. The trade was executed in a series of transactions with a price range of \$164.56 to \$164.98, inclusive, with a weighted average price of \$164.791400. The reporting person undertakes to provide to ANSYS, Inc., any security holder of ANSYS, Inc., or the staff of the Securities and Exchange Commission, upon request, full information regarding the number of shares sold at each separate price within the ranges set forth in this footnote.
- 4. The trade was executed in a series of transactions with a price range of \$165.00 to \$165.98, inclusive, with a weighted average price of \$165.493121. The reporting person undertakes to provide to ANSYS, Inc., any security holder of ANSYS, Inc., or the staff of the Securities and Exchange Commission, upon request, full information regarding the number of shares sold at each separate price within the ranges set forth in this footnote.
- 5. The trade was executed in a series of transactions with a price range of \$166.00 to \$166.51, inclusive, with a weighted average price of \$166.197276. The reporting person undertakes to provide to ANSYS, Inc., any security holder of ANSYS, Inc., or the staff of the Securities and Exchange Commission, upon request, full information regarding the number of shares sold at each separate price within the ranges set
- 6. The option grant of 75,000 shares granted on 11/15/2010 vests 25% annually in equal installments beginning on the first anniversary of the grant.
- $7.\ The\ option\ grant\ of\ 75,000\ shares\ granted\ on\ 11/14/2011\ vests\ 25\%\ annually\ in\ equal\ installments\ beginning\ on\ the\ first\ anniversary\ of\ the\ grant.$

Remarks:

Joseph E. Steitz, Attorney-in-Fact

04/23/2018

** Signature of Reporting Person

Date

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

* 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).

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB Number.