

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

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

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

OMB APPROVAL	
OMB Number:	3235-0287
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1. Name and Address of Reporting Person*			2. Issuer Name and Ticker or Trading Symbol		5. Relationship of Reporting Person(s) to Issuer (Check all applicable)	
<u>SMITH JOHN F</u>			<u>ANSYS INC [ANSS]</u>		<input checked="" type="checkbox"/> Director 10% Owner	
(Last)	(First)	(Middle)	3. Date of Earliest Transaction (Month/Day/Year)			Officer (give title below)
<u>SOUTHPOINTE</u>			<u>02/18/2005</u>			Other (specify below)
<u>275 TECHNOLOGY DRIVE</u>			4. If Amendment, Date of Original Filed (Month/Day/Year)			6. Individual or Joint/Group Filing (Check Applicable Line)
(Street)						
<u>CANONSBURG PA</u>	<u>15317</u>					
(City)	(State)	(Zip)				<input checked="" type="checkbox"/> Form filed by One Reporting Person
						Form filed by More than One Reporting Person

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. Transaction Code (Instr. 8)		4. Securities Acquired (A) or Disposed Of (D) (Instr. 3, 4 and 5)			5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
			Code	V	Amount	(A) or (D)	Price			
Common Stock	02/18/2005		M		6,000	A	\$5	36,166	D	
Common Stock	02/18/2005		M		6,000	A	\$7.042	42,166	D	
Common Stock	02/18/2005		M		3,000	A	\$14.205	45,166	D	
Common Stock	02/18/2005		S		15,000	D	\$31.614	30,166	D	

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. Transaction Code (Instr. 8)		5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)	6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4)	8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
				Code	V		Date Exercisable	Expiration Date					
Options To Purchase	\$5	02/18/2005		M		6,000	(1)	05/09/2010	Common Stock	6,000	\$5	0	D
Options To Purchase	\$7.042	02/18/2005		M		6,000	(2)	05/09/2011	Common Stock	6,000	\$7.042	6,000	D
Options To Purchase	\$14.205	02/18/2005		M		3,000	(3)	05/15/2013	Common Stock	3,000	\$14.205	21,000	D

Explanation of Responses:

- The option grant of 24,000 shares vests in four equal installments beginning on 05/09/01.
- The option grant of 24,000 shares vests in four equal installments beginning on 05/09/02.
- The option grant of 24,000 shares vests in four equal installments beginning on 05/15/04.

Remarks:

All share numbers and stock prices reflect 2 for 1 stock split that occurred on 10/4/04.

Lisa M. O'Connor, attorney-in-fact 02/23/2005

** 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.