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Progress - Create Mesh: Sun Apr 18 18:23:49 EDT 2010
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Number of vertex elements: 69

Number of boundary elements: 401

Number of elements: 1551

Minimum element quality: 0.7001
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Progress - Solve Problem: Sun Apr 18 18:25:11 EDT 2010
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Progress - Solve Problem: Sun Apr 18 18:25:39 EDT 2010
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Progress - Solve Problem: Sun Apr 18 18:26:04 EDT 2010
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Parametric solver

Nonlinear solver

Number of degrees of freedom solved for: 12400

Parameter $V_{in} = 0$

Nonsymmetric matrix found.

Iter	ErrEst	Damping	Stepsize	#Res	#Jac	#Sol
1	1.9e-015	1.0000000	0.24	2	1	2
2	1.3e-015	1.0000000	1.9e-015	3	2	4

Parameter $V_{in} = 1$

Iter	ErrEst	Damping	Stepsize	#Res	#Jac	#Sol
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Warning: Inverted mesh element near coordinates (-1.41542e-006, 7.70102e-006)

Warning: Inverted mesh element near coordinates (1.91767e-005, 6.5461e-006)

1	6.4	0.0100000	6.8	8	3	9
2	0.49	0.1000000	0.57	9	4	11
3	0.25	0.5388806	0.18	10	5	13
4	0.4	0.1018197	0.43	11	6	15
5	1	0.0132564	1.1	12	7	17
6	4.5	0.0100000	4.7	13	8	19

Parameter $V_{in} = 0.25$

Iter	ErrEst	Damping	Stepsize	#Res	#Jac	#Sol
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Warning: Inverted mesh element near coordinates (-8e-007, 6.5e-006)

1	0.29	0.1000000	0.32	17	10	24
2	0.11	0.6513485	0.17	18	11	26
3	0.0065	1.0000000	0.031	19	12	28
4	0.0023	1.0000000	0.014	20	13	30
5	4e-005	1.0000000	0.0028	21	14	32
6	1.5e-008	1.0000000	4.1e-005	22	15	34

Parameter $V_{in} = 0.4$

Warning: Inverted mesh element near coordinates (1.81104e-006, 6.63997e-006)

Warning: Inverted mesh element near coordinates (-7.99998e-007, 6.50002e-006)

Iter ErrEst Damping Stepsize #Res #Jac #Sol

Warning: Inverted mesh element near coordinates (-7.99997e-007, 6.49953e-006)

Warning: Inverted mesh element near coordinates (1.89056e-006, 6.65407e-006)

Warning: Inverted mesh element near coordinates (1.82241e-006, 6.64198e-006)

Warning: Inverted mesh element near coordinates (1.81899e-006, 6.64138e-006)

Error:

Failed to find a solution for all parameters,

even when using the minimum parameter step.

No convergence, even when using the minimum damping factor.

Not all parameter steps returned.

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Progress - Solve Problem: Sun Apr 18 18:34:09 EDT 2010

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Parametric solver

Nonlinear solver

Number of degrees of freedom solved for: 12400

Parameter V_in = 0

Nonsymmetric matrix found.

Iter ErrEst Damping Stepsize #Res #Jac #Sol

1 2.4e-010 1.0000000 0.24 2 1 2

2 3.3e-015 1.0000000 2.4e-010 3 2 4

Parameter V_in = 1

Iter	ErrEst	Damping	Stepsize	#Res	#Jac	#Sol
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Warning: Inverted mesh element near coordinates (-1.41542e-006, 7.70102e-006)

Warning: Inverted mesh element near coordinates (1.91767e-005, 6.5461e-006)

1	6.4	0.0100000	6.8	8	3	9
2	0.49	0.1000000	0.57	9	4	11
3	0.25	0.5388806	0.18	10	5	13
4	0.4	0.1018196	0.43	11	6	15
5	1	0.0132564	1.1	12	7	17
6	4.5	0.0100000	4.7	13	8	19

Parameter V_in = 0.25

Iter	ErrEst	Damping	Stepsize	#Res	#Jac	#Sol
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Warning: Inverted mesh element near coordinates (-8e-007, 6.5e-006)

1	0.29	0.1000000	0.32	17	10	24
2	0.11	0.6513485	0.17	18	11	26
3	0.0065	1.0000000	0.031	19	12	28
4	0.0023	1.0000000	0.014	20	13	30
5	4e-005	1.0000000	0.0028	21	14	32
6	1.5e-008	1.0000000	4.1e-005	22	15	34

Parameter V_in = 0.4

Warning: Inverted mesh element near coordinates (1.81104e-006, 6.63997e-006)

Warning: Inverted mesh element near coordinates (1.81104e-006, 6.63997e-006)

Iter	ErrEst	Damping	Stepsize	#Res	#Jac	#Sol
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Warning: Inverted mesh element near coordinates (-7.99997e-007, 6.49953e-006)

Warning: Inverted mesh element near coordinates (1.89056e-006, 6.65407e-006)

Warning: Inverted mesh element near coordinates (1.82241e-006, 6.64198e-006)

Warning: Inverted mesh element near coordinates (1.81899e-006, 6.64138e-006)

Error:

Failed to find a solution for all parameters,

even when using the minimum parameter step.

No convergence, even when using the minimum damping factor.

Not all parameter steps returned.

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Progress - Solve Problem: Sun Apr 18 18:40:29 EDT 2010

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Parametric solver

Nonlinear solver

Number of degrees of freedom solved for: 12400

Parameter V_in = 0

Nonsymmetric matrix found.

Iter	ErrEst	Damping	Stepsize	#Res	#Jac	#Sol
1	2.7e-010	1.0000000	0.24	2	1	2
2	3.5e-015	1.0000000	2.6e-010	3	2	4

Parameter V_in = 1

Iter ErrEst Damping Stepsize #Res #Jac #Sol

Warning: Inverted mesh element near coordinates (-1.41542e-006, 7.70102e-006)

Warning: Inverted mesh element near coordinates (1.91767e-005, 6.5461e-006)

1	6.4	0.0100000	6.8	8	3	9
2	0.49	0.1000000	0.57	9	4	11
3	0.25	0.5388806	0.18	10	5	13
4	0.4	0.1018197	0.43	11	6	15
5	1	0.0132564	1.1	12	7	17
6	4.5	0.0100000	4.7	13	8	19

Parameter V_in = 0.25

Iter ErrEst Damping Stepsize #Res #Jac #Sol

Warning: Inverted mesh element near coordinates (-8e-007, 6.5e-006)

1	0.29	0.1000000	0.32	17	10	24
2	0.11	0.6513485	0.17	18	11	26
3	0.0065	1.0000000	0.031	19	12	28
4	0.0023	1.0000000	0.014	20	13	30
5	4e-005	1.0000000	0.0028	21	14	32
6	1.5e-008	1.0000000	4.1e-005	22	15	34

Parameter V_in = 0.4

Warning: Inverted mesh element near coordinates (1.81104e-006, 6.63997e-006)

Warning: Inverted mesh element near coordinates (1.81104e-006, 6.63997e-006)

Iter ErrEst Damping Stepsize #Res #Jac #Sol

Warning: Inverted mesh element near coordinates (-7.99997e-007, 6.49953e-006)

Warning: Inverted mesh element near coordinates (1.89056e-006, 6.65407e-006)

Warning: Inverted mesh element near coordinates (1.82241e-006, 6.64198e-006)

Warning: Inverted mesh element near coordinates (1.81899e-006, 6.64138e-006)

Error:

Failed to find a solution for all parameters,
even when using the minimum parameter step.

No convergence, even when using the minimum damping factor.

Not all parameter steps returned.