

SimScale incorporates Simulation Modeling Suite(TM) software by Simmetrix Inc. ©
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Model import took 3.043858739s.

Maximum precision of model and its entities: 1e-08 m.

Absolute small feature tolerance: 0.009949998010000407 m.

Surface meshing took 28.670157238s.

Number of cells after 43.019113922s: 291843

Number of cells after 57.35412304s: 345843

Number of cells after 1m11.682235533s: 346200

Meshing took 1m20.734799178s. Starting mesh export.

Mesh quality metrics:

Non Orthogonality

Acceptable range: 0.0 to 88.0

min: 4.0

max: 90.0

average: 34.3

99.99-th percentile: 90.0

Edge Ratio

Acceptable range: 0.0 to 100.0

min: 1.1

max: 86.9

average: 1.9

99.99-th percentile: 86.9

Volume Ratio

Acceptable range: 0.0 to 100.0

min: 1.0

max: 1581.8

average: 2.0

99.99-th percentile: 1581.8

Aspect Ratio

Acceptable range: 0.0 to 100.0

min: 6.1

max: 8189.6

average: 10.6

99.99-th percentile: 8189.6

Tetrahedral Aspect Ratio

Acceptable range: 0.0 to 100.0

min: 6.1

max: 8189.6

average: 10.6

99.99-th percentile: 8189.6

Skewness

Acceptable range: 0.0 to 100.0

min: 0.0

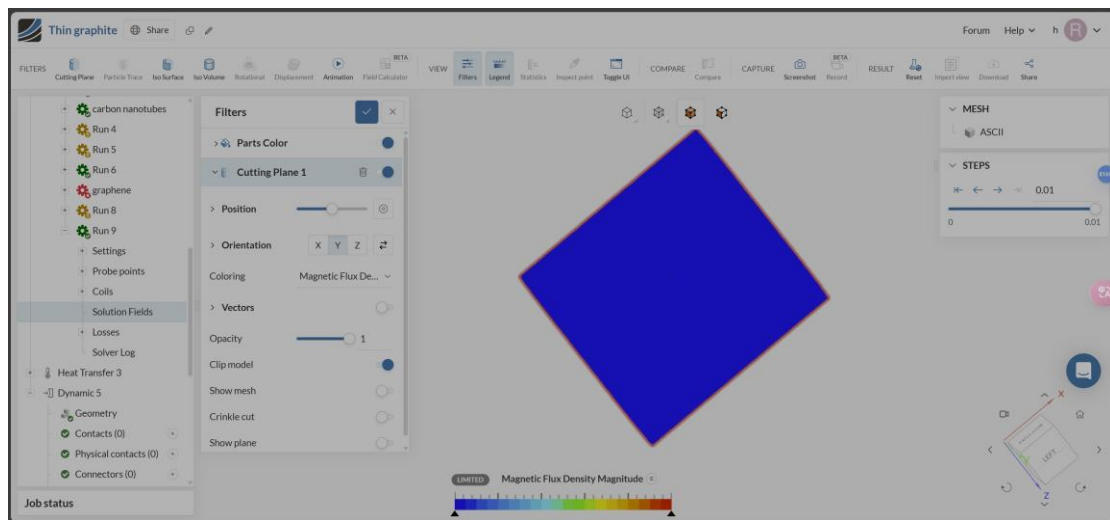
max: 27.6

average: 0.3

99.99-th percentile: 27.6

Min Edge Length : 0

Mesh export took 18.900466578s.



Setting the resources path

Loading resources path

Resources Loaded

Setting the XML file path:

Initializing Study

Loading study properties...

Set study definition...

Getting study element data...

Getting study name...

Setting study type...

Setting mesh ID...

Setting product full version (Formatted: Year/Date Code)...

Preparing to separate product version date code...

Setting product version year...

Extracting document name...

Setting document name: SimScaleElectromagnetics

Extracting mesh file name

Setting mesh file name: mesh

Initializing log file

Initializing dev file...

Dev file initialized

Log file initialized

Initializing temp file

Temp file initialized

Started on : Tue Feb 4 09:24:31 2025

Initializing study properties

Non Linear Residual Error: 1e-06

1 Solid(s) found in the current study

EMW_ERROR_25: No solid body found or no material applied

Type: Error!

Cure: Check the input file or model to ensure that it is properly formatted and that all necessary data is included. Make sure that the model includes at least one solid geometry. Verify the material assignment to ensure that it is accurate and complete. Ensure that all elements are correctly assigned to the appropriate material properties.

Ended on : Tue Feb 4 09:24:31 2025

EMW_WARNING_60017: Resources estimation is not done for this solving session.

Consider using the argument -RunMode with value Estimation, before doing full run to check if resources are available.

Type: Warning!

Start fill elements an node arrays from json mesh file

Getting Points (Nodes) coordinates from the mesh

Start reading global surface mesh faces

Filling the elements array

Start reading global volume mesh

End reading global volume mesh

number of elements: 346230

number of nodes: 107696

Compute security key done

Preparing mesh database

Preparing database... (0 / 14) ...

Preparing database... (1 / 14) ...

Preparing database... (2 / 14) ...

Creating tets

Number of vertices : 107696

Vertices created

Number of edges : 548531

Number of triangels : 787066

Number of tets : 346230

Preparing database... (3 / 14) ...

Preparing database... (4 / 14) ...

Preparing database... (5 / 14) ...

Preparing database... (6 / 14) ...

Euler characteristic of the complex is : 1

Is the complex connected : 1

Preparing database... (7 / 14) ...

Preparing database... (8 / 14) ...

Preparing database... (9 / 14) ...

Preparing database... (10 / 14) ...

Preparing database... (11 / 14) ...

Preparing database... (12 / 14) ...

Number of cohomology generators = 0

Preparing database... (13 / 14) ...

Preparing database... (14 / 14) ...

Start filling elements boundary conditions

End filling elements boundary conditions

Finish preparing mesh dataBase

EstimatedRunTime:1121.87s

Progress: 1%

Estimated Time: 0:18:42

Remaining Time: 0:18:42

Available Memory(GB): 12.87

Available Memory 0 Mb

-----< CTransientMagneticStudy::Run 1>-----

-----< CTransientMagneticStudy::Run 2>-----

-----< CTransientMagneticStudy::Run 3>-----

Checking component and materials status

Checking Components and mesh availability

Checking Load/Restraint mesh

EMW_INFO_30009: Number of mesh faces found in the Boundary Condition Tangential
Flux - 1 is: 546271

Type: Info

EMW_INFO_30009: Number of mesh faces found in the Boundary Condition is:
546271

Type: Info

Finish All mesh checking

-----< CTransientMagneticStudy::Run 4>-----

Setting Coils parameters...

-----< CTransientMagneticStudy::Run 5>-----

Getting Coils mesh data

-----< CTransientMagneticStudy::Run 6>-----

Getting Gauss values

-----< CTransientMagneticStudy::Run 7>-----

Checking material non linear status

-----< CTransientMagneticStudy::Run 8>-----

Solving Coils conduction problem...

Forming Coils Support Regions

Preparing linear system...

Get Degree of Coupling For Conduction Timing: 00:00:00

>>> Nbr of used cores: 4

Solver in progress...

>> end ScanDataFromFiles

>> Number of Cpus 4

>> Start Solving

>>>Solver :: Multi_Cores Pardiso Direct Solver

Multi_Cores Pardiso Direct Solver:Total spent Cpu Time 0.139806

Multi_Cores Pardiso Direct Solver:Total spent Wall Time 0.043000

>>End Solving

Solving 00:00:01 Dimension 13088 Non_Zeroes 44146

reading file

Main call: Finished scanning the solution file for the multi-core solver: Dimension =
13088 File size = 104704 Timing: 00:00:00

0 timing on seconds

Done solving conduction for Coil 1

-----< CTransientMagneticStudy::Run 9>-----

Intermediate Steps before the main solver

-----< CTransientMagneticStudy::Run 10>-----

Start Prepare Linear system for vector TS

PrepareLinearSystemForVectorTS 1

PrepareLinearSystemForVectorTS 1

NumberGlobalForVectorTs 1

NumberGlobalForVectorTs 1

NumberGlobalForVectorTs 2

NumberGlobalForVectorTs 2

NumberGlobalForVectorTs 3

NumberGlobalForVectorTs 3

PrepareLinearSystemForVectorTS 2

PrepareLinearSystemForVectorTS 2

PrepareLinearSystemForVectorTS 3

PrepareLinearSystemForVectorTS 3

PrepareLinearSystemForVectorTS 4

PrepareLinearSystemForVectorTS 4

>>> Nbr of used cores: 4

Finish Prepare linear system for vector TS

Distributing the currents for Coil 1

>> end ScanDataFromFiles

>> Number of Cpus 4

>> Start Solving

>>>Solver :: Multi_Cores Iterative Solver

>> Set Iterative Parameters

>> WriteSolverParameters

>> RunIterativeSolver

Number of iterations: 133 , true residual: 2.47829e-07

Multi_Cores Iterative Solver:Total spent Cpu Time 0.135986

Multi_Cores Iterative Solver:Total spent Wall Time 0.165000

>>End Solving

Solving 00:00:00 Dimension 119796 Non_Zeroes 1403924

reading file

Main call: Finished scanning the solution file for the multi-core solver: Dimension =
119796 File size = 958368 Timing: 00:00:00

0 timing on seconds

reading file

Distributed Current successfully for Coil 1

-----< CTransientMagneticStudy::Run 11>-----

Done Distributing the currents

IMT Fix Order TransientMagnetic Timing: 0: 0: 0

Number of cohomology generators = 0

Get degree of coupling for transient magnetic Timing: 0: 0: 0

>>> Nbr of used cores: 4

Start solving for TOmega 0.000000e+00

Assembling matrices for Time 0.000000e+00

Assembling matrices for Time 0.000000e+00

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore
Timing: 0: 0: 1

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore :Me
mory Used = 0

Solving matrices for Time0.000000e+00

Solving matrices for Time0.000000e+00

Solver in progress...

>> end ScanDataFromFiles

>> Number of Cpus 4

>> Start Solving

>>>Solver :: Multi_Cores Iterative Solver

>> Set Iterative Parameters

>> WriteSolverParameters

>> RunIterativeSolver

Number of iterations: 26 , true residual: 2.40595e-19

Multi_Cores Iterative Solver:Total spent Cpu Time 0.005020

Multi_Cores Iterative Solver:Total spent Wall Time 0.009000

>>End Solving

Solving 00:00:00 Dimension 13088 Non_Zeroes 75204

reading file

Main call: Finished scanning the solution file for the multi-core solver: Dimension =
13088 File size = 104704 Timing: 00:00:00

>>>>>

CTransientMagneticStudy::AssembleGlobalForTransientInductanceDecember2017

Timing: 0: 0: 0

>> end ScanDataFromFiles

>> Number of Cpus 4

>> Start Solving

>>>Solver :: Multi_Cores Iterative Solver

>> Set Iterative Parameters

>> WriteSolverParameters

>> RunIterativeSolver

Number of iterations: 26 , true residual: 2.40595e-20

Multi_Cores Iterative Solver:Total spent Cpu Time 0.004882

Multi_Cores Iterative Solver:Total spent Wall Time 0.008000

>>End Solving

Solving 00:00:00 Dimension 13088 Non_Zeroes 75204

reading file

Main call: Finished scanning the solution file for the multi-core solver: Dimension = 13088 File size = 104704 Timing: 00:00:00

Computing Circuit Quantities

Process To Compute Transient Circuit Parameters: Time Step= 1 Used memory = 0

Done solving for TOmega

Writing Solution... 0.000000e+00

Write Solution PerPart Timing: 0:0:2

Write Solution PerPart Timing: 2178.000000ms

Start solving for TOmega 1.000000e-04

Assembling matrices for Time 1.000000e-04

Assembling matrices for Time 1.000000e-04

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore
Timing: 0: 0: 1

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore :Memory Used = 0

Solving matrices for Time1.000000e-04

Solving matrices for Time1.000000e-04

Solver in progress...

>> end ScanDataFromFiles

>> Number of Cpus 4

>> Start Solving

>>>Solver :: Multi_Cores Iterative Solver

>> Set Iterative Parameters

>> WriteSolverParameters

>> RunIterativeSolver

Number of iterations: 26 , true residual: 2.40595e-19

Multi_Cores Iterative Solver:Total spent Cpu Time 0.004993

Multi_Cores Iterative Solver:Total spent Wall Time 0.008000

>>End Solving

Solving 00:00:00 Dimension 13088 Non_Zeroes 75204

reading file

Main call: Finished scanning the solution file for the multi-core solver: Dimension = 13088 File size = 104704 Timing: 00:00:00

Computing Circuit Quantities

Process To Compute Transient Circuit Parameters: Time Step= 1 Used memory = 0

Done solving for TOmega

Writing Solution... 1.000000e-04

Write Solution PerPart Timing: 0:0:2

Write Solution PerPart Timing: 2376.000000ms

Start solving for TOmega 2.000000e-04

Assembling matrices for Time 2.000000e-04

Assembling matrices for Time 2.000000e-04

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore
Timing: 0: 0: 1

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore :Memory Used = 0

Solving matrices for Time 2.000000e-04

Solving matrices for Time 2.000000e-04

Solver in progress...

>> end ScanDataFromFiles

>> Number of Cpus 4

>> Start Solving

>>>Solver :: Multi_Cores Iterative Solver

>> Set Iterative Parameters

>> WriteSolverParameters

>> RunIterativeSolver

Number of iterations: 26 , true residual: 2.40595e-19

Multi_Cores Iterative Solver:Total spent Cpu Time 0.004992

Multi_Cores Iterative Solver:Total spent Wall Time 0.008000

>>End Solving

Solving 00:00:00 Dimension 13088 Non_Zeroes 75204

reading file

Main call: Finished scanning the solution file for the multi-core solver: Dimension =
13088 File size = 104704 Timing: 00:00:00

Computing Circuit Quantities

Process To Compute Transient Circuit Parameters: Time Step= 1 Used memory = 0

Done solving for TOmega

Writing Solution... 2.000000e-04

Progress: 1%

Estimated Time: 0:18:42

Remaining Time: 0:18:22

Available Memory(GB): 12.61

Current CPU Percentage: 42.30

Average cores per hour: 1.69

Write Solution PerPart Timing: 0:0:2

Write Solution PerPart Timing: 2455.000000ms

Start solving for TOmega 3.000000e-04

Assembling matrices for Time 3.000000e-04

Assembling matrices for Time 3.000000e-04

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore
Timing: 0: 0: 1

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore :Me
mory Used = 0

Solving matrices for Time3.000000e-04

Solving matrices for Time3.000000e-04

Solver in progress...

>> end ScanDataFromFiles

>> Number of Cpus 4

>> Start Solving

>>>Solver :: Multi_Cores Iterative Solver

>> Set Iterative Parameters

>> WriteSolverParameters

>> RunIterativeSolver

Number of iterations: 26 , true residual: 2.40595e-19

Multi_Cores Iterative Solver:Total spent Cpu Time 0.004927

Multi_Cores Iterative Solver:Total spent Wall Time 0.008000

>>End Solving

Solving 00:00:00 Dimension 13088 Non_Zeroes 75204

reading file

Main call: Finished scanning the solution file for the multi-core solver: Dimension =
13088 File size = 104704 Timing: 00:00:00

Computing Circuit Quantities

Process To Compute Transient Circuit Parameters: Time Step= 1 Used memory = 0

Done solving for TOmega

Writing Solution... 3.000000e-04

Write Solution PerPart Timing: 0:0:2

Write Solution PerPart Timing: 2388.000000ms

Start solving for TOmega 4.000000e-04

Assembling matrices for Time 4.000000e-04

Assembling matrices for Time 4.000000e-04

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore
Timing: 0: 0: 0

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore :Me
mory Used = 0

Solving matrices for Time4.000000e-04

Solving matrices for Time4.000000e-04

Solver in progress...

>> end ScanDataFromFiles

>> Number of Cpus 4

>> Start Solving

>>>Solver :: Multi_Cores Iterative Solver

>> Set Iterative Parameters

>> WriteSolverParameters

>> RunIterativeSolver

Number of iterations: 26 , true residual: 2.40595e-19

Multi_Cores Iterative Solver:Total spent Cpu Time 0.004961

Multi_Cores Iterative Solver:Total spent Wall Time 0.008000

>>End Solving

Solving 00:00:01 Dimension 13088 Non_Zeroes 75204

reading file

Main call: Finished scanning the solution file for the multi-core solver: Dimension = 13088 File size = 104704 Timing: 00:00:00

Computing Circuit Quantities

Process To Compute Transient Circuit Parameters: Time Step= 1 Used memory = 0

Done solving for TOmega

Writing Solution... 4.000000e-04

Write Solution PerPart Timing: 0:0:2

Write Solution PerPart Timing: 2413.000000ms

Start solving for TOmega 5.000000e-04

Assembling matrices for Time 5.000000e-04

Assembling matrices for Time 5.000000e-04

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore
Timing: 0: 0: 0

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore :Memory Used = 0

Solving matrices for Time 5.000000e-04

Solving matrices for Time 5.000000e-04

Solver in progress...

>> end ScanDataFromFiles

>> Number of Cpus 4

>> Start Solving

>>> Solver :: Multi_Cores Iterative Solver

>> Set Iterative Parameters

>> WriteSolverParameters

>> RunIterativeSolver

Number of iterations: 26 , true residual: 2.40595e-19

Multi_Cores Iterative Solver:Total spent Cpu Time 0.004953

Multi_Cores Iterative Solver:Total spent Wall Time 0.008000

>>End Solving

Solving 00:00:01 Dimension 13088 Non_Zeroes 75204

reading file

Main call: Finished scanning the solution file for the multi-core solver: Dimension = 13088 File size = 104704 Timing: 00:00:00

Computing Circuit Quantities

Process To Compute Transient Circuit Parameters: Time Step= 1 Used memory = 0

Done solving for TOmega

Writing Solution... 5.000000e-04

Write Solution PerPart Timing: 0:0:2

Write Solution PerPart Timing: 2512.000000ms

Start solving for TOmega 6.000000e-04

Assembling matrices for Time 6.000000e-04

Assembling matrices for Time 6.000000e-04

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore
Timing: 0: 0: 1

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore :Memory Used = 0

Solving matrices for Time6.000000e-04

Solving matrices for Time6.000000e-04

Solver in progress...

>> end ScanDataFromFiles

>> Number of Cpus 4

>> Start Solving

>>>Solver :: Multi_Cores Iterative Solver

>> Set Iterative Parameters

>> WriteSolverParameters

>> RunIterativeSolver

Number of iterations: 26 , true residual: 2.40595e-19

Multi_Cores Iterative Solver:Total spent Cpu Time 0.004961

Multi_Cores Iterative Solver:Total spent Wall Time 0.008000

>>End Solving

Solving 00:00:00 Dimension 13088 Non_Zeroes 75204

reading file

Main call: Finished scanning the solution file for the multi-core solver: Dimension =
13088 File size = 104704 Timing: 00:00:00

Computing Circuit Quantities

Process To Compute Transient Circuit Parameters: Time Step= 1 Used memory = 0

Done solving for TOmega

Writing Solution... 6.000000e-04

Progress: 3%

Estimated Time: 0:18:42

Remaining Time: 0:18:2

Available Memory(GB): 12.51

Current CPU Percentage: 43.23

Average cores per hour: 1.73

Write Solution PerPart Timing: 0:0:2

Write Solution PerPart Timing: 2364.000000ms

Start solving for TOmega 7.000000e-04

Assembling matrices for Time 7.000000e-04

Assembling matrices for Time 7.000000e-04

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore

Timing: 0: 0: 0

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore :Memory Used = 0

Solving matrices for Time 7.000000e-04

Solving matrices for Time 7.000000e-04

Solver in progress...

>> end ScanDataFromFiles

>> Number of Cpus 4

>> Start Solving

>>> Solver :: Multi_Cores Iterative Solver

>> Set Iterative Parameters

>> WriteSolverParameters

>> RunIterativeSolver

Number of iterations: 26 , true residual: 2.40595e-19

Multi_Cores Iterative Solver: Total spent Cpu Time 0.004936

Multi_Cores Iterative Solver: Total spent Wall Time 0.008000

>> End Solving

Solving 00:00:01 Dimension 13088 Non_Zeroes 75204

reading file

Main call: Finished scanning the solution file for the multi-core solver: Dimension = 13088 File size = 104704 Timing: 00:00:00

Computing Circuit Quantities

Process To Compute Transient Circuit Parameters: Time Step= 1 Used memory = 0

Done solving for TOmega

Writing Solution... 7.000000e-04

Write Solution PerPart Timing: 0:0:2

Write Solution PerPart Timing: 2351.000000ms

Start solving for TOmega 8.000000e-04

Assembling matrices for Time 8.000000e-04

Assembling matrices for Time 8.000000e-04

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore
Timing: 0: 0: 0

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore :Me
mory Used = 0

Solving matrices for Time8.000000e-04

Solving matrices for Time8.000000e-04

Solver in progress...

>> end ScanDataFromFiles

>> Number of Cpus 4

>> Start Solving

>>>Solver :: Multi_Cores Iterative Solver

>> Set Iterative Parameters

>> WriteSolverParameters

>> RunIterativeSolver

Number of iterations: 26 , true residual: 2.40595e-19

Multi_Cores Iterative Solver:Total spent Cpu Time 0.005031

Multi_Cores Iterative Solver:Total spent Wall Time 0.008000

>>End Solving

Solving 00:00:00 Dimension 13088 Non_Zeroes 75204

reading file

Main call: Finished scanning the solution file for the multi-core solver: Dimension =
13088 File size = 104704 Timing: 00:00:00

Computing Circuit Quantities

Process To Compute Transient Circuit Parameters: Time Step= 1 Used memory = 0

Done solving for TOmega

Writing Solution... 8.000000e-04

Write Solution PerPart Timing: 0:0:3

Write Solution PerPart Timing: 2421.000000ms

Start solving for TOmega 9.000000e-04

Assembling matrices for Time 9.000000e-04

Assembling matrices for Time 9.000000e-04

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore
Timing: 0: 0: 0

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore :Me
mory Used = 0

Solving matrices for Time9.000000e-04

Solving matrices for Time9.000000e-04

Solver in progress...

>> end ScanDataFromFiles

>> Number of Cpus 4

>> Start Solving

>>>Solver :: Multi_Cores Iterative Solver

>> Set Iterative Parameters

>> WriteSolverParameters

>> RunIterativeSolver

Number of iterations: 26 , true residual: 2.40595e-19

Multi_Cores Iterative Solver:Total spent Cpu Time 0.005006

Multi_Cores Iterative Solver:Total spent Wall Time 0.008000

>>End Solving

Solving 00:00:00 Dimension 13088 Non_Zeroes 75204

reading file

Main call: Finished scanning the solution file for the multi-core solver: Dimension = 13088 File size = 104704 Timing: 00:00:00

Computing Circuit Quantities

Process To Compute Transient Circuit Parameters: Time Step= 1 Used memory = 0

Done solving for TOmega

Writing Solution... 9.000000e-04

Write Solution PerPart Timing: 0:0:3

Write Solution PerPart Timing: 2404.000000ms

Start solving for TOmega 1.000000e-03

Assembling matrices for Time 1.000000e-03

Assembling matrices for Time 1.000000e-03

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore
Timing: 0: 0: 0

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore :Memory Used = 0

Solving matrices for Time1.000000e-03

Solving matrices for Time1.000000e-03

Solver in progress...

>> end ScanDataFromFiles

>> Number of Cpus 4

>> Start Solving

>>>Solver :: Multi_Cores Iterative Solver

>> Set Iterative Parameters

>> WriteSolverParameters

>> RunIterativeSolver

Number of iterations: 26 , true residual: 2.40595e-19

Multi_Cores Iterative Solver:Total spent Cpu Time 0.004969

Multi_Cores Iterative Solver:Total spent Wall Time 0.008000

>>End Solving

Solving 00:00:00 Dimension 13088 Non_Zeroes 75204

reading file

Main call: Finished scanning the solution file for the multi-core solver: Dimension = 13088 File size = 104704 Timing: 00:00:00

Computing Circuit Quantities

Process To Compute Transient Circuit Parameters: Time Step= 1 Used memory = 0

Done solving for TOmega

Writing Solution... 1.000000e-03

Write Solution PerPart Timing: 0:0:3

Write Solution PerPart Timing: 2354.000000ms

Start solving for TOmega 1.100000e-03

Assembling matrices for Time 1.100000e-03

Assembling matrices for Time 1.100000e-03

Progress: 5%

Estimated Time: 0:18:42

Remaining Time: 0:17:42

Available Memory(GB): 12.50

Current CPU Percentage: 44.18

Average cores per hour: 1.77

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore
Timing: 0: 0: 0

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore :Memory Used = 0

Solving matrices for Time 1.100000e-03

Solving matrices for Time 1.100000e-03

Solver in progress...

>> end ScanDataFromFiles

>> Number of Cpus 4

>> Start Solving

>>> Solver :: Multi_Cores Iterative Solver

>> Set Iterative Parameters

>> WriteSolverParameters

>> RunIterativeSolver

Number of iterations: 26 , true residual: 2.40595e-19

Multi_Cores Iterative Solver: Total spent Cpu Time 0.004433

Multi_Cores Iterative Solver: Total spent Wall Time 0.009000

>> End Solving

Solving 00:00:00 Dimension 13088 Non_Zeroes 75204

reading file

Main call: Finished scanning the solution file for the multi-core solver: Dimension =
13088 File size = 104704 Timing: 00:00:00

Computing Circuit Quantities

Process To Compute Transient Circuit Parameters: Time Step= 1 Used memory = 0

Done solving for TOmega

Writing Solution... 1.100000e-03

Write Solution PerPart Timing: 0:0:3

Write Solution PerPart Timing: 2418.000000ms

Start solving for TOmega 1.200000e-03

Assembling matrices for Time 1.200000e-03

Assembling matrices for Time 1.200000e-03

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore

Timing: 0: 0: 0

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore :Memory Used = 0

Solving matrices for Time1.200000e-03

Solving matrices for Time1.200000e-03

Solver in progress...

>> end ScanDataFromFiles

>> Number of Cpus 4

>> Start Solving

>>>Solver :: Multi_Cores Iterative Solver

>> Set Iterative Parameters

>> WriteSolverParameters

>> RunIterativeSolver

Number of iterations: 26 , true residual: 2.40595e-19

Multi_Cores Iterative Solver:Total spent Cpu Time 0.005018

Multi_Cores Iterative Solver:Total spent Wall Time 0.008000

>>End Solving

Solving 00:00:00 Dimension 13088 Non_Zeroes 75204

reading file

Main call: Finished scanning the solution file for the multi-core solver: Dimension = 13088 File size = 104704 Timing: 00:00:00

Computing Circuit Quantities

Process To Compute Transient Circuit Parameters: Time Step= 1 Used memory = 0

Done solving for TOmega

Writing Solution... 1.200000e-03

Write Solution PerPart Timing: 0:0:3

Write Solution PerPart Timing: 2414.000000ms

Start solving for TOmega 1.300000e-03

Assembling matrices for Time 1.300000e-03

Assembling matrices for Time 1.300000e-03

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore
Timing: 0: 0: 0

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore :Me
mory Used = 0

Solving matrices for Time1.300000e-03

Solving matrices for Time1.300000e-03

Solver in progress...

>> end ScanDataFromFiles

>> Number of Cpus 4

>> Start Solving

>>>Solver :: Multi_Cores Iterative Solver

>> Set Iterative Parameters

>> WriteSolverParameters

>> RunIterativeSolver

Number of iterations: 26 , true residual: 2.40595e-19

Multi_Cores Iterative Solver:Total spent Cpu Time 0.004875

Multi_Cores Iterative Solver:Total spent Wall Time 0.008000

>>End Solving

Solving 00:00:00 Dimension 13088 Non_Zeroes 75204

reading file

Main call: Finished scanning the solution file for the multi-core solver: Dimension =
13088 File size = 104704 Timing: 00:00:00

Computing Circuit Quantities

Process To Compute Transient Circuit Parameters: Time Step= 1 Used memory = 0

Done solving for TOmega

Writing Solution... 1.300000e-03

Write Solution PerPart Timing: 0:0:2

Write Solution PerPart Timing: 2381.000000ms

Start solving for TOmega 1.400000e-03

Assembling matrices for Time 1.400000e-03

Assembling matrices for Time 1.400000e-03

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore
Timing: 0: 0: 1

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore :Memory Used = 0

Solving matrices for Time1.400000e-03

Solving matrices for Time1.400000e-03

Solver in progress...

>> end ScanDataFromFiles

>> Number of Cpus 4

>> Start Solving

>>>Solver :: Multi_Cores Iterative Solver

>> Set Iterative Parameters

>> WriteSolverParameters

>> RunIterativeSolver

Number of iterations: 26 , true residual: 2.40595e-19

Multi_Cores Iterative Solver:Total spent Cpu Time 0.006018

Multi_Cores Iterative Solver:Total spent Wall Time 0.009000

>>End Solving

Solving 00:00:00 Dimension 13088 Non_Zeroes 75204

reading file

Main call: Finished scanning the solution file for the multi-core solver: Dimension =
13088 File size = 104704 Timing: 00:00:00

Computing Circuit Quantities

Process To Compute Transient Circuit Parameters: Time Step= 1 Used memory = 0

Done solving for TOmega

Writing Solution... 1.400000e-03

Write Solution PerPart Timing: 0:0:2

Write Solution PerPart Timing: 2439.000000ms

Start solving for TOmega 1.500000e-03

Assembling matrices for Time 1.500000e-03

Assembling matrices for Time 1.500000e-03

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore
Timing: 0: 0: 1

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore :Me
mory Used = 0

Solving matrices for Time1.500000e-03

Solving matrices for Time1.500000e-03

Solver in progress...

Progress: 7%

Estimated Time: 0:18:42

Remaining Time: 0:17:22

Available Memory(GB): 12.36

Current CPU Percentage: 43.46

Average cores per hour: 1.74

>> end ScanDataFromFiles

>> Number of Cpus 4

>> Start Solving

>>>Solver :: Multi_Cores Iterative Solver

>> Set Iterative Parameters

>> WriteSolverParameters

>> RunIterativeSolver

Number of iterations: 26 , true residual: 2.40595e-19

Multi_Cores Iterative Solver:Total spent Cpu Time 0.004818

Multi_Cores Iterative Solver:Total spent Wall Time 0.008000

>>End Solving

Solving 00:00:00 Dimension 13088 Non_Zeroes 75204

reading file

Main call: Finished scanning the solution file for the multi-core solver: Dimension = 13088 File size = 104704 Timing: 00:00:00

Computing Circuit Quantities

Process To Compute Transient Circuit Parameters: Time Step= 1 Used memory = 0

Done solving for TOmega

Writing Solution... 1.500000e-03

Write Solution PerPart Timing: 0:0:2

Write Solution PerPart Timing: 2409.000000ms

Start solving for TOmega 1.600000e-03

Assembling matrices for Time 1.600000e-03

Assembling matrices for Time 1.600000e-03

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore
Timing: 0: 0: 1

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore :Memory Used = 0

Solving matrices for Time1.600000e-03

Solving matrices for Time 1.600000e-03

Solver in progress...

>> end ScanDataFromFiles

>> Number of Cpus 4

>> Start Solving

>>> Solver :: Multi_Cores Iterative Solver

>> Set Iterative Parameters

>> WriteSolverParameters

>> RunIterativeSolver

Number of iterations: 26 , true residual: 2.40595e-19

Multi_Cores Iterative Solver: Total spent Cpu Time 0.004915

Multi_Cores Iterative Solver: Total spent Wall Time 0.008000

>> End Solving

Solving 00:00:00 Dimension 13088 Non_Zeroes 75204

reading file

Main call: Finished scanning the solution file for the multi-core solver: Dimension =
13088 File size = 104704 Timing: 00:00:00

Computing Circuit Quantities

Process To Compute Transient Circuit Parameters: Time Step= 1 Used memory = 0

Done solving for TOmega

Writing Solution... 1.600000e-03

Write Solution PerPart Timing: 0:0:2

Write Solution PerPart Timing: 2408.000000ms

Start solving for TOmega 1.700000e-03

Assembling matrices for Time 1.700000e-03

Assembling matrices for Time 1.700000e-03

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore

Timing: 0: 0: 1

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore :Memory Used = 0

Solving matrices for Time1.700000e-03

Solving matrices for Time1.700000e-03

Solver in progress...

>> end ScanDataFromFiles

>> Number of Cpus 4

>> Start Solving

>>>Solver :: Multi_Cores Iterative Solver

>> Set Iterative Parameters

>> WriteSolverParameters

>> RunIterativeSolver

Number of iterations: 26 , true residual: 2.40595e-19

Multi_Cores Iterative Solver:Total spent Cpu Time 0.005036

Multi_Cores Iterative Solver:Total spent Wall Time 0.008000

>>End Solving

Solving 00:00:00 Dimension 13088 Non_Zeroes 75204

reading file

Main call: Finished scanning the solution file for the multi-core solver: Dimension = 13088 File size = 104704 Timing: 00:00:00

Computing Circuit Quantities

Process To Compute Transient Circuit Parameters: Time Step= 1 Used memory = 0

Done solving for TOmega

Writing Solution... 1.700000e-03

Write Solution PerPart Timing: 0:0:2

Write Solution PerPart Timing: 2440.000000ms

Start solving for TOmega 1.800000e-03

Assembling matrices for Time 1.800000e-03

Assembling matrices for Time 1.800000e-03

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore
Timing: 0: 0: 1

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore :Me
mory Used = 0

Solving matrices for Time1.800000e-03

Solving matrices for Time1.800000e-03

Solver in progress...

>> end ScanDataFromFiles

>> Number of Cpus 4

>> Start Solving

>>>Solver :: Multi_Cores Iterative Solver

>> Set Iterative Parameters

>> WriteSolverParameters

>> RunIterativeSolver

Number of iterations: 26 , true residual: 2.40595e-19

Multi_Cores Iterative Solver:Total spent Cpu Time 0.006544

Multi_Cores Iterative Solver:Total spent Wall Time 0.012000

>>End Solving

Solving 00:00:00 Dimension 13088 Non_Zeroes 75204

reading file

Main call: Finished scanning the solution file for the multi-core solver: Dimension =
13088 File size = 104704 Timing: 00:00:00

Computing Circuit Quantities

Process To Compute Transient Circuit Parameters: Time Step= 1 Used memory = 0

Done solving for TOmega

Writing Solution... 1.800000e-03

Write Solution PerPart Timing: 0:0:2

Write Solution PerPart Timing: 2359.000000ms

Start solving for TOmega 1.900000e-03

Assembling matrices for Time 1.900000e-03

Assembling matrices for Time 1.900000e-03

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore
Timing: 0: 0: 1

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore :Me
mory Used = 0

Solving matrices for Time1.900000e-03

Solving matrices for Time1.900000e-03

Solver in progress...

>> end ScanDataFromFiles

>> Number of Cpus 4

>> Start Solving

>>>Solver :: Multi_Cores Iterative Solver

>> Set Iterative Parameters

>> WriteSolverParameters

>> RunIterativeSolver

Number of iterations: 26 , true residual: 2.40595e-19

Multi_Cores Iterative Solver:Total spent Cpu Time 0.005059

Multi_Cores Iterative Solver:Total spent Wall Time 0.008000

>>End Solving

Solving 00:00:00 Dimension 13088 Non_Zeroes 75204

reading file

Main call: Finished scanning the solution file for the multi-core solver: Dimension =
13088 File size = 104704 Timing: 00:00:00

Computing Circuit Quantities

Progress: 8%

Estimated Time: 0:18:42

Remaining Time: 0:17:2

Available Memory(GB): 12.43

Current CPU Percentage: 43.30

Average cores per hour: 1.73

Process To Compute Transient Circuit Parameters: Time Step= 1 Used memory = 0

Done solving for TOmega

Writing Solution... 1.900000e-03

Write Solution PerPart Timing: 0:0:2

Write Solution PerPart Timing: 2425.000000ms

Start solving for TOmega 2.000000e-03

Assembling matrices for Time 2.000000e-03

Assembling matrices for Time 2.000000e-03

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore

Timing: 0: 0: 1

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore :Me
mory Used = 0

Solving matrices for Time 2.000000e-03

Solving matrices for Time 2.000000e-03

Solver in progress...

>> end ScanDataFromFiles

>> Number of Cpus 4

>> Start Solving

>>>Solver :: Multi_Cores Iterative Solver

>> Set Iterative Parameters

>> WriteSolverParameters

>> RunIterativeSolver

Number of iterations: 26 , true residual: 2.40595e-19

Multi_Cores Iterative Solver:Total spent Cpu Time 0.004941

Multi_Cores Iterative Solver:Total spent Wall Time 0.008000

>>End Solving

Solving 00:00:00 Dimension 13088 Non_Zeroes 75204

reading file

Main call: Finished scanning the solution file for the multi-core solver: Dimension = 13088 File size = 104704 Timing: 00:00:00

Computing Circuit Quantities

Process To Compute Transient Circuit Parameters: Time Step= 1 Used memory = 0

Done solving for TOmega

Writing Solution... 2.000000e-03

Write Solution PerPart Timing: 0:0:2

Write Solution PerPart Timing: 2422.000000ms

Start solving for TOmega 2.100000e-03

Assembling matrices for Time 2.100000e-03

Assembling matrices for Time 2.100000e-03

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore
Timing: 0: 0: 1

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore :Memory Used = 0

Solving matrices for Time2.100000e-03

Solving matrices for Time 2.100000e-03

Solver in progress...

>> end ScanDataFromFiles

>> Number of Cpus 4

>> Start Solving

>>> Solver :: Multi_Cores Iterative Solver

>> Set Iterative Parameters

>> WriteSolverParameters

>> RunIterativeSolver

Number of iterations: 26 , true residual: 2.40595e-19

Multi_Cores Iterative Solver: Total spent Cpu Time 0.004998

Multi_Cores Iterative Solver: Total spent Wall Time 0.008000

>> End Solving

Solving 00:00:00 Dimension 13088 Non_Zeroes 75204

reading file

Main call: Finished scanning the solution file for the multi-core solver: Dimension = 13088 File size = 104704 Timing: 00:00:00

Computing Circuit Quantities

Process To Compute Transient Circuit Parameters: Time Step= 1 Used memory = 0

Done solving for TOmega

Writing Solution... 2.100000e-03

Write Solution PerPart Timing: 0:0:2

Write Solution PerPart Timing: 2385.000000ms

Start solving for TOmega 2.200000e-03

Assembling matrices for Time 2.200000e-03

Assembling matrices for Time 2.200000e-03

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore

Timing: 0: 0: 1

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore :Memory Used = 0

Solving matrices for Time 2.200000e-03

Solving matrices for Time 2.200000e-03

Solver in progress...

>> end ScanDataFromFiles

>> Number of Cpus 4

>> Start Solving

>>> Solver :: Multi_Cores Iterative Solver

>> Set Iterative Parameters

>> WriteSolverParameters

>> RunIterativeSolver

Number of iterations: 26 , true residual: 2.40595e-19

Multi_Cores Iterative Solver: Total spent Cpu Time 0.004937

Multi_Cores Iterative Solver: Total spent Wall Time 0.008000

>> End Solving

Solving 00:00:00 Dimension 13088 Non_Zeroes 75204

reading file

Main call: Finished scanning the solution file for the multi-core solver: Dimension = 13088 File size = 104704 Timing: 00:00:00

Computing Circuit Quantities

Process To Compute Transient Circuit Parameters: Time Step= 1 Used memory = 0

Done solving for TOmega

Writing Solution... 2.200000e-03

Write Solution PerPart Timing: 0:0:2

Write Solution PerPart Timing: 2350.000000ms

Start solving for TOmega 2.300000e-03

Assembling matrices for Time 2.300000e-03

Assembling matrices for Time 2.300000e-03

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore
Timing: 0: 0: 0

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore :Me
mory Used = 0

Solving matrices for Time2.300000e-03

Solving matrices for Time2.300000e-03

Solver in progress...

>> end ScanDataFromFiles

>> Number of Cpus 4

>> Start Solving

>>>Solver :: Multi_Cores Iterative Solver

>> Set Iterative Parameters

>> WriteSolverParameters

>> RunIterativeSolver

Number of iterations: 26 , true residual: 2.40595e-19

Multi_Cores Iterative Solver:Total spent Cpu Time 0.004985

Multi_Cores Iterative Solver:Total spent Wall Time 0.008000

>>End Solving

Solving 00:00:00 Dimension 13088 Non_Zeroes 75204

reading file

Main call: Finished scanning the solution file for the multi-core solver: Dimension =
13088 File size = 104704 Timing: 00:00:00

Computing Circuit Quantities

Progress: 10%

Estimated Time: 0:18:42

Remaining Time: 0:16:42

Available Memory(GB): 12.36

Current CPU Percentage: 43.41

Average cores per hour: 1.74

Process To Compute Transient Circuit Parameters: Time Step= 1 Used memory = 0

Done solving for TOmega

Writing Solution... 2.300000e-03

Write Solution PerPart Timing: 0:0:2

Write Solution PerPart Timing: 2346.000000ms

Start solving for TOmega 2.400000e-03

Assembling matrices for Time 2.400000e-03

Assembling matrices for Time 2.400000e-03

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore
Timing: 0: 0: 0

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore :Me
mory Used = 0

Solving matrices for Time2.400000e-03

Solving matrices for Time2.400000e-03

Solver in progress...

>> end ScanDataFromFiles

>> Number of Cpus 4

>> Start Solving

>>>Solver :: Multi_Cores Iterative Solver

>> Set Iterative Parameters

>> WriteSolverParameters

>> RunIterativeSolver

Number of iterations: 26 , true residual: 2.40595e-19

Multi_Cores Iterative Solver:Total spent Cpu Time 0.004361

Multi_Cores Iterative Solver:Total spent Wall Time 0.008000

>>End Solving

Solving 00:00:00 Dimension 13088 Non_Zeroes 75204

reading file

Main call: Finished scanning the solution file for the multi-core solver: Dimension =
13088 File size = 104704 Timing: 00:00:00

Computing Circuit Quantities

Process To Compute Transient Circuit Parameters: Time Step= 1 Used memory = 0

Done solving for TOmega

Writing Solution... 2.400000e-03

Write Solution PerPart Timing: 0:0:3

Write Solution PerPart Timing: 2428.000000ms

Start solving for TOmega 2.500000e-03

Assembling matrices for Time 2.500000e-03

Assembling matrices for Time 2.500000e-03

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore
Timing: 0: 0: 0

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore :Me
mory Used = 0

Solving matrices for Time2.500000e-03

Solving matrices for Time2.500000e-03

Solver in progress...

>> end ScanDataFromFiles

>> Number of Cpus 4

>> Start Solving

>>>Solver :: Multi_Cores Iterative Solver

>> Set Iterative Parameters

>> WriteSolverParameters

>> RunIterativeSolver

Number of iterations: 26 , true residual: 2.40595e-19

Multi_Cores Iterative Solver:Total spent Cpu Time 0.006113

Multi_Cores Iterative Solver:Total spent Wall Time 0.012000

>>End Solving

Solving 00:00:00 Dimension 13088 Non_Zeroes 75204

reading file

Main call: Finished scanning the solution file for the multi-core solver: Dimension = 13088 File size = 104704 Timing: 00:00:00

Computing Circuit Quantities

Process To Compute Transient Circuit Parameters: Time Step= 1 Used memory = 0

Done solving for TOmega

Writing Solution... 2.500000e-03

Write Solution PerPart Timing: 0:0:3

Write Solution PerPart Timing: 2432.000000ms

Start solving for TOmega 2.600000e-03

Assembling matrices for Time 2.600000e-03

Assembling matrices for Time 2.600000e-03

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore
Timing: 0: 0: 0

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore :Memory Used = 0

Solving matrices for Time2.600000e-03

Solving matrices for Time 2.600000e-03

Solver in progress...

>> end ScanDataFromFiles

>> Number of Cpus 4

>> Start Solving

>>> Solver :: Multi_Cores Iterative Solver

>> Set Iterative Parameters

>> WriteSolverParameters

>> RunIterativeSolver

Number of iterations: 26 , true residual: 2.40595e-19

Multi_Cores Iterative Solver: Total spent Cpu Time 0.005003

Multi_Cores Iterative Solver: Total spent Wall Time 0.008000

>> End Solving

Solving 00:00:00 Dimension 13088 Non_Zeroes 75204

reading file

Main call: Finished scanning the solution file for the multi-core solver: Dimension =
13088 File size = 104704 Timing: 00:00:00

Computing Circuit Quantities

Process To Compute Transient Circuit Parameters: Time Step= 1 Used memory = 0

Done solving for TOmega

Writing Solution... 2.600000e-03

Write Solution PerPart Timing: 0:0:3

Write Solution PerPart Timing: 2380.000000ms

Start solving for TOmega 2.700000e-03

Assembling matrices for Time 2.700000e-03

Assembling matrices for Time 2.700000e-03

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore

Timing: 0: 0: 0

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore :Memory Used = 0

Solving matrices for Time 2.700000e-03

Solving matrices for Time 2.700000e-03

Solver in progress...

>> end ScanDataFromFiles

>> Number of Cpus 4

>> Start Solving

>>> Solver :: Multi_Cores Iterative Solver

>> Set Iterative Parameters

>> WriteSolverParameters

>> RunIterativeSolver

Number of iterations: 26 , true residual: 2.40595e-19

Multi_Cores Iterative Solver: Total spent Cpu Time 0.005020

Multi_Cores Iterative Solver: Total spent Wall Time 0.008000

>> End Solving

Solving 00:00:00 Dimension 13088 Non_Zeroes 75204

reading file

Main call: Finished scanning the solution file for the multi-core solver: Dimension = 13088 File size = 104704 Timing: 00:00:00

Computing Circuit Quantities

Progress: 12%

Estimated Time: 0:18:42

Remaining Time: 0:16:22

Available Memory(GB): 12.39

Current CPU Percentage: 43.39

Average cores per hour: 1.74

Process To Compute Transient Circuit Parameters: Time Step= 1 Used memory = 0

Done solving for TOmega

Writing Solution... 2.700000e-03

Write Solution PerPart Timing: 0:0:3

Write Solution PerPart Timing: 2368.000000ms

Start solving for TOmega 2.800000e-03

Assembling matrices for Time 2.800000e-03

Assembling matrices for Time 2.800000e-03

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore
Timing: 0: 0: 0

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore :Me
mory Used = 0

Solving matrices for Time2.800000e-03

Solving matrices for Time2.800000e-03

Solver in progress...

>> end ScanDataFromFiles

>> Number of Cpus 4

>> Start Solving

>>>Solver :: Multi_Cores Iterative Solver

>> Set Iterative Parameters

>> WriteSolverParameters

>> RunIterativeSolver

Number of iterations: 26 , true residual: 2.40595e-19

Multi_Cores Iterative Solver:Total spent Cpu Time 0.006259

Multi_Cores Iterative Solver:Total spent Wall Time 0.013000

>>End Solving

Solving 00:00:00 Dimension 13088 Non_Zeroes 75204

reading file

Main call: Finished scanning the solution file for the multi-core solver: Dimension = 13088 File size = 104704 Timing: 00:00:00

Computing Circuit Quantities

Process To Compute Transient Circuit Parameters: Time Step= 1 Used memory = 0

Done solving for TOmega

Writing Solution... 2.800000e-03

Write Solution PerPart Timing: 0:0:3

Write Solution PerPart Timing: 2408.000000ms

Start solving for TOmega 2.900000e-03

Assembling matrices for Time 2.900000e-03

Assembling matrices for Time 2.900000e-03

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore
Timing: 0: 0: 0

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore :Memory Used = 0

Solving matrices for Time2.900000e-03

Solving matrices for Time2.900000e-03

Solver in progress...

>> end ScanDataFromFiles

>> Number of Cpus 4

>> Start Solving

>>>Solver :: Multi_Cores Iterative Solver

>> Set Iterative Parameters

>> WriteSolverParameters

>> RunIterativeSolver

Number of iterations: 26 , true residual: 2.40595e-19

Multi_Cores Iterative Solver:Total spent Cpu Time 0.004925

Multi_Cores Iterative Solver:Total spent Wall Time 0.008000

>>End Solving

Solving 00:00:00 Dimension 13088 Non_Zeroes 75204

reading file

Main call: Finished scanning the solution file for the multi-core solver: Dimension =
13088 File size = 104704 Timing: 00:00:00

Computing Circuit Quantities

Process To Compute Transient Circuit Parameters: Time Step= 1 Used memory = 0

Done solving for TOmega

Writing Solution... 2.900000e-03

Write Solution PerPart Timing: 0:0:2

Write Solution PerPart Timing: 2357.000000ms

Start solving for TOmega 3.000000e-03

Assembling matrices for Time 3.000000e-03

Assembling matrices for Time 3.000000e-03

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore
Timing: 0: 0: 1

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore :Me
mory Used = 0

Solving matrices for Time3.000000e-03

Solving matrices for Time3.000000e-03

Solver in progress...

>> end ScanDataFromFiles

>> Number of Cpus 4

>> Start Solving

>>>Solver :: Multi_Cores Iterative Solver

>> Set Iterative Parameters

>> WriteSolverParameters

>> RunIterativeSolver

Number of iterations: 26 , true residual: 2.40595e-19

Multi_Cores Iterative Solver:Total spent Cpu Time 0.004365

Multi_Cores Iterative Solver:Total spent Wall Time 0.008000

>>End Solving

Solving 00:00:00 Dimension 13088 Non_Zeroes 75204

reading file

Main call: Finished scanning the solution file for the multi-core solver: Dimension = 13088 File size = 104704 Timing: 00:00:00

Computing Circuit Quantities

Process To Compute Transient Circuit Parameters: Time Step= 1 Used memory = 0

Done solving for TOmega

Writing Solution... 3.000000e-03

Write Solution PerPart Timing: 0:0:2

Write Solution PerPart Timing: 2338.000000ms

Start solving for TOmega 3.100000e-03

Assembling matrices for Time 3.100000e-03

Assembling matrices for Time 3.100000e-03

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore
Timing: 0: 0: 1

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore :Memory Used = 0

Solving matrices for Time3.100000e-03

Solving matrices for Time 3.100000e-03

Solver in progress...

>> end ScanDataFromFiles

>> Number of Cpus 4

>> Start Solving

>>> Solver :: Multi_Cores Iterative Solver

>> Set Iterative Parameters

>> WriteSolverParameters

>> RunIterativeSolver

Number of iterations: 26 , true residual: 2.40595e-19

Multi_Cores Iterative Solver: Total spent Cpu Time 0.004377

Multi_Cores Iterative Solver: Total spent Wall Time 0.008000

>> End Solving

Solving 00:00:00 Dimension 13088 Non_Zeroes 75204

reading file

Main call: Finished scanning the solution file for the multi-core solver: Dimension = 13088 File size = 104704 Timing: 00:00:00

Computing Circuit Quantities

Progress: 14%

Estimated Time: 0:18:42

Remaining Time: 0:16:2

Available Memory(GB): 12.33

Current CPU Percentage: 43.53

Average cores per hour: 1.74

Process To Compute Transient Circuit Parameters: Time Step= 1 Used memory = 0

Done solving for TOmega

Writing Solution... 3.100000e-03

Write Solution PerPart Timing: 0:0:2

Write Solution PerPart Timing: 2348.000000ms

Start solving for TOmega 3.200000e-03

Assembling matrices for Time 3.200000e-03

Assembling matrices for Time 3.200000e-03

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore
Timing: 0: 0: 1

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore :Me
mory Used = 0

Solving matrices for Time3.200000e-03

Solving matrices for Time3.200000e-03

Solver in progress...

>> end ScanDataFromFiles

>> Number of Cpus 4

>> Start Solving

>>>Solver :: Multi_Cores Iterative Solver

>> Set Iterative Parameters

>> WriteSolverParameters

>> RunIterativeSolver

Number of iterations: 26 , true residual: 2.40595e-19

Multi_Cores Iterative Solver:Total spent Cpu Time 0.004520

Multi_Cores Iterative Solver:Total spent Wall Time 0.008000

>>End Solving

Solving 00:00:00 Dimension 13088 Non_Zeroes 75204

reading file

Main call: Finished scanning the solution file for the multi-core solver: Dimension =
13088 File size = 104704 Timing: 00:00:00

Computing Circuit Quantities

Process To Compute Transient Circuit Parameters: Time Step= 1 Used memory = 0

Done solving for TOmega

Writing Solution... 3.200000e-03

Write Solution PerPart Timing: 0:0:2

Write Solution PerPart Timing: 2467.000000ms

Start solving for TOmega 3.300000e-03

Assembling matrices for Time 3.300000e-03

Assembling matrices for Time 3.300000e-03

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore
Timing: 0: 0: 1

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore :Me
mory Used = 0

Solving matrices for Time3.300000e-03

Solving matrices for Time3.300000e-03

Solver in progress...

>> end ScanDataFromFiles

>> Number of Cpus 4

>> Start Solving

>>>Solver :: Multi_Cores Iterative Solver

>> Set Iterative Parameters

>> WriteSolverParameters

>> RunIterativeSolver

Number of iterations: 26 , true residual: 2.40595e-19

Multi_Cores Iterative Solver:Total spent Cpu Time 0.004887

Multi_Cores Iterative Solver:Total spent Wall Time 0.008000

>>End Solving

Solving 00:00:00 Dimension 13088 Non_Zeroes 75204

reading file

Main call: Finished scanning the solution file for the multi-core solver: Dimension = 13088 File size = 104704 Timing: 00:00:00

Computing Circuit Quantities

Process To Compute Transient Circuit Parameters: Time Step= 1 Used memory = 0

Done solving for TOmega

Writing Solution... 3.300000e-03

Write Solution PerPart Timing: 0:0:2

Write Solution PerPart Timing: 2339.000000ms

Start solving for TOmega 3.400000e-03

Assembling matrices for Time 3.400000e-03

Assembling matrices for Time 3.400000e-03

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore
Timing: 0: 0: 1

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore :Memory Used = 0

Solving matrices for Time3.400000e-03

Solving matrices for Time3.400000e-03

Solver in progress...

>> end ScanDataFromFiles

>> Number of Cpus 4

>> Start Solving

>>>Solver :: Multi_Cores Iterative Solver

>> Set Iterative Parameters

>> WriteSolverParameters

>> RunIterativeSolver

Number of iterations: 26 , true residual: 2.40595e-19

Multi_Cores Iterative Solver:Total spent Cpu Time 0.004959

Multi_Cores Iterative Solver:Total spent Wall Time 0.008000

>>End Solving

Solving 00:00:00 Dimension 13088 Non_Zeroes 75204

reading file

Main call: Finished scanning the solution file for the multi-core solver: Dimension =
13088 File size = 104704 Timing: 00:00:00

Computing Circuit Quantities

Process To Compute Transient Circuit Parameters: Time Step= 1 Used memory = 0

Done solving for TOmega

Writing Solution... 3.400000e-03

Write Solution PerPart Timing: 0:0:2

Write Solution PerPart Timing: 2385.000000ms

Start solving for TOmega 3.500000e-03

Assembling matrices for Time 3.500000e-03

Assembling matrices for Time 3.500000e-03

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore
Timing: 0: 0: 0

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore :Me
mory Used = 0

Solving matrices for Time3.500000e-03

Solving matrices for Time3.500000e-03

Solver in progress...

>> end ScanDataFromFiles

>> Number of Cpus 4

>> Start Solving

>>>Solver :: Multi_Cores Iterative Solver

>> Set Iterative Parameters

>> WriteSolverParameters

>> RunIterativeSolver

Number of iterations: 26 , true residual: 2.40595e-19

Multi_Cores Iterative Solver:Total spent Cpu Time 0.004384

Multi_Cores Iterative Solver:Total spent Wall Time 0.008000

>>End Solving

Solving 00:00:01 Dimension 13088 Non_Zeroes 75204

reading file

Main call: Finished scanning the solution file for the multi-core solver: Dimension =
13088 File size = 104704 Timing: 00:00:00

Computing Circuit Quantities

Progress: 16%

Estimated Time: 0:18:42

Remaining Time: 0:15:42

Available Memory(GB): 12.29

Current CPU Percentage: 43.45

Average cores per hour: 1.74

Process To Compute Transient Circuit Parameters: Time Step= 1 Used memory = 0

Done solving for TOmega

Writing Solution... 3.500000e-03

Write Solution PerPart Timing: 0:0:2

Write Solution PerPart Timing: 2365.000000ms

Start solving for TOmega 3.600000e-03

Assembling matrices for Time 3.600000e-03

Assembling matrices for Time 3.600000e-03

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore

Timing: 0: 0: 0

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore :Memory Used = 0

Solving matrices for Time 3.600000e-03

Solving matrices for Time 3.600000e-03

Solver in progress...

>> end ScanDataFromFiles

>> Number of Cpus 4

>> Start Solving

>>> Solver :: Multi_Cores Iterative Solver

>> Set Iterative Parameters

>> WriteSolverParameters

>> RunIterativeSolver

Number of iterations: 26 , true residual: 2.40595e-19

Multi_Cores Iterative Solver: Total spent Cpu Time 0.004938

Multi_Cores Iterative Solver: Total spent Wall Time 0.008000

>> End Solving

Solving 00:00:00 Dimension 13088 Non_Zeroes 75204

reading file

Main call: Finished scanning the solution file for the multi-core solver: Dimension = 13088 File size = 104704 Timing: 00:00:00

Computing Circuit Quantities

Process To Compute Transient Circuit Parameters: Time Step= 1 Used memory = 0

Done solving for TOmega

Writing Solution... 3.600000e-03

Write Solution PerPart Timing: 0:0:3

Write Solution PerPart Timing: 2364.000000ms

Start solving for TOmega 3.700000e-03

Assembling matrices for Time 3.700000e-03

Assembling matrices for Time 3.700000e-03

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore
Timing: 0: 0: 0

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore :Me
mory Used = 0

Solving matrices for Time3.700000e-03

Solving matrices for Time3.700000e-03

Solver in progress...

>> end ScanDataFromFiles

>> Number of Cpus 4

>> Start Solving

>>>Solver :: Multi_Cores Iterative Solver

>> Set Iterative Parameters

>> WriteSolverParameters

>> RunIterativeSolver

Number of iterations: 26 , true residual: 2.40595e-19

Multi_Cores Iterative Solver:Total spent Cpu Time 0.004368

Multi_Cores Iterative Solver:Total spent Wall Time 0.008000

>>End Solving

Solving 00:00:00 Dimension 13088 Non_Zeroes 75204

reading file

Main call: Finished scanning the solution file for the multi-core solver: Dimension =
13088 File size = 104704 Timing: 00:00:00

Computing Circuit Quantities

Process To Compute Transient Circuit Parameters: Time Step= 1 Used memory = 0

Done solving for TOmega

Writing Solution... 3.700000e-03

Write Solution PerPart Timing: 0:0:3

Write Solution PerPart Timing: 2742.000000ms

Start solving for TOmega 3.800000e-03

Assembling matrices for Time 3.800000e-03

Assembling matrices for Time 3.800000e-03

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore
Timing: 0: 0: 0

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore :Me
mory Used = 0

Solving matrices for Time3.800000e-03

Solving matrices for Time3.800000e-03

Solver in progress...

>> end ScanDataFromFiles

>> Number of Cpus 4

>> Start Solving

>>>Solver :: Multi_Cores Iterative Solver

>> Set Iterative Parameters

>> WriteSolverParameters

>> RunIterativeSolver

Number of iterations: 26 , true residual: 2.40595e-19

Multi_Cores Iterative Solver:Total spent Cpu Time 0.005157

Multi_Cores Iterative Solver:Total spent Wall Time 0.008000

>>End Solving

Solving 00:00:00 Dimension 13088 Non_Zeroes 75204

reading file

Main call: Finished scanning the solution file for the multi-core solver: Dimension = 13088 File size = 104704 Timing: 00:00:00

Computing Circuit Quantities

Process To Compute Transient Circuit Parameters: Time Step= 1 Used memory = 0

Done solving for TOmega

Writing Solution... 3.800000e-03

Write Solution PerPart Timing: 0:0:2

Write Solution PerPart Timing: 2369.000000ms

Start solving for TOmega 3.900000e-03

Assembling matrices for Time 3.900000e-03

Assembling matrices for Time 3.900000e-03

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore
Timing: 0: 0: 0

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore :Memory Used = 0

Solving matrices for Time3.900000e-03

Solving matrices for Time3.900000e-03

Solver in progress...

>> end ScanDataFromFiles

>> Number of Cpus 4

>> Start Solving

>>>Solver :: Multi_Cores Iterative Solver

>> Set Iterative Parameters

>> WriteSolverParameters

>> RunIterativeSolver

Number of iterations: 26 , true residual: 2.40595e-19

Multi_Cores Iterative Solver:Total spent Cpu Time 0.004966

Multi_Cores Iterative Solver:Total spent Wall Time 0.008000

>>End Solving

Solving 00:00:00 Dimension 13088 Non_Zeroes 75204

reading file

Main call: Finished scanning the solution file for the multi-core solver: Dimension =
13088 File size = 104704 Timing: 00:00:00

Computing Circuit Quantities

Progress: 17%

Estimated Time: 0:18:42

Remaining Time: 0:15:22

Available Memory(GB): 12.25

Current CPU Percentage: 43.10

Average cores per hour: 1.72

Process To Compute Transient Circuit Parameters: Time Step= 1 Used memory = 0

Done solving for TOmega

Writing Solution... 3.900000e-03

Write Solution PerPart Timing: 0:0:3

Write Solution PerPart Timing: 2401.000000ms

Start solving for TOmega 4.000000e-03

Assembling matrices for Time 4.000000e-03

Assembling matrices for Time 4.000000e-03

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore
Timing: 0: 0: 0

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore :Memory Used = 0

Solving matrices for Time4.000000e-03

Solving matrices for Time4.000000e-03

Solver in progress...

>> end ScanDataFromFiles

>> Number of Cpus 4

>> Start Solving

>>>Solver :: Multi_Cores Iterative Solver

>> Set Iterative Parameters

>> WriteSolverParameters

>> RunIterativeSolver

Number of iterations: 26 , true residual: 2.40595e-19

Multi_Cores Iterative Solver:Total spent Cpu Time 0.004966

Multi_Cores Iterative Solver:Total spent Wall Time 0.008000

>>End Solving

Solving 00:00:00 Dimension 13088 Non_Zeroes 75204

reading file

Main call: Finished scanning the solution file for the multi-core solver: Dimension = 13088 File size = 104704 Timing: 00:00:00

Computing Circuit Quantities

Process To Compute Transient Circuit Parameters: Time Step= 1 Used memory = 0

Done solving for TOmega

Writing Solution... 4.000000e-03

Write Solution PerPart Timing: 0:0:3

Write Solution PerPart Timing: 2380.000000ms

Start solving for TOmega 4.100000e-03

Assembling matrices for Time 4.100000e-03

Assembling matrices for Time 4.100000e-03

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore
Timing: 0: 0: 0

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore :Me
mory Used = 0

Solving matrices for Time4.100000e-03

Solving matrices for Time4.100000e-03

Solver in progress...

>> end ScanDataFromFiles

>> Number of Cpus 4

>> Start Solving

>>>Solver :: Multi_Cores Iterative Solver

>> Set Iterative Parameters

>> WriteSolverParameters

>> RunIterativeSolver

Number of iterations: 26 , true residual: 2.40595e-19

Multi_Cores Iterative Solver:Total spent Cpu Time 0.005030

Multi_Cores Iterative Solver:Total spent Wall Time 0.008000

>>End Solving

Solving 00:00:00 Dimension 13088 Non_Zeroes 75204

reading file

Main call: Finished scanning the solution file for the multi-core solver: Dimension =
13088 File size = 104704 Timing: 00:00:00

Computing Circuit Quantities

Process To Compute Transient Circuit Parameters: Time Step= 1 Used memory = 0

Done solving for TOmega

Writing Solution... 4.100000e-03

Write Solution PerPart Timing: 0:0:3

Write Solution PerPart Timing: 2409.000000ms

Start solving for TOmega 4.200000e-03

Assembling matrices for Time 4.200000e-03

Assembling matrices for Time 4.200000e-03

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore
Timing: 0: 0: 0

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore :Memory Used = 0

Solving matrices for Time4.200000e-03

Solving matrices for Time4.200000e-03

Solver in progress...

>> end ScanDataFromFiles

>> Number of Cpus 4

>> Start Solving

>>>Solver :: Multi_Cores Iterative Solver

>> Set Iterative Parameters

>> WriteSolverParameters

>> RunIterativeSolver

Number of iterations: 26 , true residual: 2.40595e-19

Multi_Cores Iterative Solver:Total spent Cpu Time 0.004948

Multi_Cores Iterative Solver:Total spent Wall Time 0.008000

>>End Solving

Solving 00:00:00 Dimension 13088 Non_Zeroes 75204

reading file

Main call: Finished scanning the solution file for the multi-core solver: Dimension = 13088 File size = 104704 Timing: 00:00:00

Computing Circuit Quantities

Process To Compute Transient Circuit Parameters: Time Step= 1 Used memory = 0

Done solving for TOmega

Writing Solution... 4.200000e-03

Write Solution PerPart Timing: 0:0:3

Write Solution PerPart Timing: 2359.000000ms

Start solving for TOmega 4.300000e-03

Assembling matrices for Time 4.300000e-03

Assembling matrices for Time 4.300000e-03

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore
Timing: 0: 0: 0

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore :Memory Used = 0

Solving matrices for Time 4.300000e-03

Solving matrices for Time 4.300000e-03

Solver in progress...

>> end ScanDataFromFiles

>> Number of Cpus 4

>> Start Solving

>>> Solver :: Multi_Cores Iterative Solver

>> Set Iterative Parameters

>> WriteSolverParameters

>> RunIterativeSolver

Number of iterations: 26 , true residual: 2.40595e-19

Multi_Cores Iterative Solver: Total spent Cpu Time 0.004457

Multi_Cores Iterative Solver:Total spent Wall Time 0.008000

>>End Solving

Solving 00:00:00 Dimension 13088 Non_Zeroes 75204

reading file

Main call: Finished scanning the solution file for the multi-core solver: Dimension =
13088 File size = 104704 Timing: 00:00:00

Computing Circuit Quantities

Progress: 19%

Estimated Time: 0:18:42

Remaining Time: 0:15:2

Available Memory(GB): 12.25

Current CPU Percentage: 43.46

Average cores per hour: 1.74

Process To Compute Transient Circuit Parameters: Time Step= 1 Used memory = 0

Done solving for TOmega

Writing Solution... 4.300000e-03

Write Solution PerPart Timing: 0:0:3

Write Solution PerPart Timing: 2401.000000ms

Start solving for TOmega 4.400000e-03

Assembling matrices for Time 4.400000e-03

Assembling matrices for Time 4.400000e-03

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore
Timing: 0: 0: 0

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore :Me
mory Used = 0

Solving matrices for Time4.400000e-03

Solving matrices for Time4.400000e-03

Solver in progress...

>> end ScanDataFromFiles

>> Number of Cpus 4

>> Start Solving

>>> Solver :: Multi_Cores Iterative Solver

>> Set Iterative Parameters

>> WriteSolverParameters

>> RunIterativeSolver

Number of iterations: 26 , true residual: 2.40595e-19

Multi_Cores Iterative Solver:Total spent Cpu Time 0.004979

Multi_Cores Iterative Solver:Total spent Wall Time 0.008000

>>End Solving

Solving 00:00:00 Dimension 13088 Non_Zeroes 75204

reading file

Main call: Finished scanning the solution file for the multi-core solver: Dimension =
13088 File size = 104704 Timing: 00:00:00

Computing Circuit Quantities

Process To Compute Transient Circuit Parameters: Time Step= 1 Used memory = 0

Done solving for TOmega

Writing Solution... 4.400000e-03

Write Solution PerPart Timing: 0:0:2

Write Solution PerPart Timing: 2358.000000ms

Start solving for TOmega 4.500000e-03

Assembling matrices for Time 4.500000e-03

Assembling matrices for Time 4.500000e-03

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore

Timing: 0: 0: 1

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore :Memory Used = 0

Solving matrices for Time4.500000e-03

Solving matrices for Time4.500000e-03

Solver in progress...

>> end ScanDataFromFiles

>> Number of Cpus 4

>> Start Solving

>>>Solver :: Multi_Cores Iterative Solver

>> Set Iterative Parameters

>> WriteSolverParameters

>> RunIterativeSolver

Number of iterations: 26 , true residual: 2.40595e-19

Multi_Cores Iterative Solver:Total spent Cpu Time 0.005095

Multi_Cores Iterative Solver:Total spent Wall Time 0.008000

>>End Solving

Solving 00:00:00 Dimension 13088 Non_Zeroes 75204

reading file

Main call: Finished scanning the solution file for the multi-core solver: Dimension = 13088 File size = 104704 Timing: 00:00:00

Computing Circuit Quantities

Process To Compute Transient Circuit Parameters: Time Step= 1 Used memory = 0

Done solving for TOmega

Writing Solution... 4.500000e-03

Write Solution PerPart Timing: 0:0:2

Write Solution PerPart Timing: 2433.000000ms

Start solving for TOmega 4.600000e-03

Assembling matrices for Time 4.600000e-03

Assembling matrices for Time 4.600000e-03

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore
Timing: 0: 0: 1

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore :Me
mory Used = 0

Solving matrices for Time4.600000e-03

Solving matrices for Time4.600000e-03

Solver in progress...

>> end ScanDataFromFiles

>> Number of Cpus 4

>> Start Solving

>>>Solver :: Multi_Cores Iterative Solver

>> Set Iterative Parameters

>> WriteSolverParameters

>> RunIterativeSolver

Number of iterations: 26 , true residual: 2.40595e-19

Multi_Cores Iterative Solver:Total spent Cpu Time 0.005441

Multi_Cores Iterative Solver:Total spent Wall Time 0.011000

>>End Solving

Solving 00:00:00 Dimension 13088 Non_Zeroes 75204

reading file

Main call: Finished scanning the solution file for the multi-core solver: Dimension =
13088 File size = 104704 Timing: 00:00:00

Computing Circuit Quantities

Process To Compute Transient Circuit Parameters: Time Step= 1 Used memory = 0

Done solving for TOmega

Writing Solution... 4.600000e-03

Write Solution PerPart Timing: 0:0:2

Write Solution PerPart Timing: 2350.000000ms

Start solving for TOmega 4.700000e-03

Assembling matrices for Time 4.700000e-03

Assembling matrices for Time 4.700000e-03

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore
Timing: 0: 0: 1

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore :Me
mory Used = 0

Solving matrices for Time4.700000e-03

Solving matrices for Time4.700000e-03

Solver in progress...

>> end ScanDataFromFiles

>> Number of Cpus 4

>> Start Solving

>>>Solver :: Multi_Cores Iterative Solver

>> Set Iterative Parameters

>> WriteSolverParameters

>> RunIterativeSolver

Number of iterations: 26 , true residual: 2.40595e-19

Multi_Cores Iterative Solver:Total spent Cpu Time 0.004421

Multi_Cores Iterative Solver:Total spent Wall Time 0.008000

>>End Solving

Solving 00:00:00 Dimension 13088 Non_Zeroes 75204

reading file

Main call: Finished scanning the solution file for the multi-core solver: Dimension =
13088 File size = 104704 Timing: 00:00:00

Computing Circuit Quantities

Process To Compute Transient Circuit Parameters: Time Step= 1 Used memory = 0

Done solving for TOmega

Writing Solution... 4.700000e-03

Progress: 21%

Estimated Time: 0:18:42

Remaining Time: 0:14:42

Available Memory(GB): 12.21

Current CPU Percentage: 43.86

Average cores per hour: 1.75

Write Solution PerPart Timing: 0:0:2

Write Solution PerPart Timing: 2353.000000ms

Start solving for TOmega 4.800000e-03

Assembling matrices for Time 4.800000e-03

Assembling matrices for Time 4.800000e-03

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore

Timing: 0: 0: 1

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore :Memory Used = 0

Solving matrices for Time 4.800000e-03

Solving matrices for Time 4.800000e-03

Solver in progress...

>> end ScanDataFromFiles

>> Number of Cpus 4

>> Start Solving

>>>Solver :: Multi_Cores Iterative Solver

>> Set Iterative Parameters

>> WriteSolverParameters

>> RunIterativeSolver

Number of iterations: 26 , true residual: 2.40595e-19

Multi_Cores Iterative Solver:Total spent Cpu Time 0.004333

Multi_Cores Iterative Solver:Total spent Wall Time 0.008000

>>End Solving

Solving 00:00:00 Dimension 13088 Non_Zeroes 75204

reading file

Main call: Finished scanning the solution file for the multi-core solver: Dimension = 13088 File size = 104704 Timing: 00:00:00

Computing Circuit Quantities

Process To Compute Transient Circuit Parameters: Time Step= 1 Used memory = 0

Done solving for TOmega

Writing Solution... 4.800000e-03

Write Solution PerPart Timing: 0:0:2

Write Solution PerPart Timing: 2382.000000ms

Start solving for TOmega 4.900000e-03

Assembling matrices for Time 4.900000e-03

Assembling matrices for Time 4.900000e-03

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore
Timing: 0: 0: 1

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore :Memory Used = 0

Solving matrices for Time4.900000e-03

Solving matrices for Time 4.900000e-03

Solver in progress...

>> end ScanDataFromFiles

>> Number of Cpus 4

>> Start Solving

>>> Solver :: Multi_Cores Iterative Solver

>> Set Iterative Parameters

>> WriteSolverParameters

>> RunIterativeSolver

Number of iterations: 26 , true residual: 2.40595e-19

Multi_Cores Iterative Solver: Total spent Cpu Time 0.004998

Multi_Cores Iterative Solver: Total spent Wall Time 0.008000

>> End Solving

Solving 00:00:00 Dimension 13088 Non_Zeroes 75204

reading file

Main call: Finished scanning the solution file for the multi-core solver: Dimension = 13088 File size = 104704 Timing: 00:00:00

Computing Circuit Quantities

Process To Compute Transient Circuit Parameters: Time Step= 1 Used memory = 0

Done solving for TOmega

Writing Solution... 4.900000e-03

Write Solution PerPart Timing: 0:0:2

Write Solution PerPart Timing: 2404.000000ms

Start solving for TOmega 5.000000e-03

Assembling matrices for Time 5.000000e-03

Assembling matrices for Time 5.000000e-03

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore

Timing: 0: 0: 1

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore :Memory Used = 0

Solving matrices for Time5.000000e-03

Solving matrices for Time5.000000e-03

Solver in progress...

>> end ScanDataFromFiles

>> Number of Cpus 4

>> Start Solving

>>>Solver :: Multi_Cores Iterative Solver

>> Set Iterative Parameters

>> WriteSolverParameters

>> RunIterativeSolver

Number of iterations: 26 , true residual: 2.40595e-19

Multi_Cores Iterative Solver:Total spent Cpu Time 0.004975

Multi_Cores Iterative Solver:Total spent Wall Time 0.008000

>>End Solving

Solving 00:00:00 Dimension 13088 Non_Zeroes 75204

reading file

Main call: Finished scanning the solution file for the multi-core solver: Dimension = 13088 File size = 104704 Timing: 00:00:00

Computing Circuit Quantities

Process To Compute Transient Circuit Parameters: Time Step= 1 Used memory = 0

Done solving for TOmega

Writing Solution... 5.000000e-03

Write Solution PerPart Timing: 0:0:2

Write Solution PerPart Timing: 2380.000000ms

Start solving for TOmega 5.100000e-03

Assembling matrices for Time 5.100000e-03

Assembling matrices for Time 5.100000e-03

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore
Timing: 0: 0: 0

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore :Me
mory Used = 0

Solving matrices for Time5.100000e-03

Solving matrices for Time5.100000e-03

Solver in progress...

>> end ScanDataFromFiles

>> Number of Cpus 4

>> Start Solving

>>>Solver :: Multi_Cores Iterative Solver

>> Set Iterative Parameters

>> WriteSolverParameters

>> RunIterativeSolver

Number of iterations: 26 , true residual: 2.40595e-19

Multi_Cores Iterative Solver:Total spent Cpu Time 0.004386

Multi_Cores Iterative Solver:Total spent Wall Time 0.008000

>>End Solving

Solving 00:00:00 Dimension 13088 Non_Zeroes 75204

reading file

Main call: Finished scanning the solution file for the multi-core solver: Dimension =
13088 File size = 104704 Timing: 00:00:00

Computing Circuit Quantities

Process To Compute Transient Circuit Parameters: Time Step= 1 Used memory = 0

Done solving for TOmega

Writing Solution... 5.100000e-03

Progress: 23%

Estimated Time: 0:18:42

Remaining Time: 0:14:22

Available Memory(GB): 12.14

Current CPU Percentage: 44.47

Average cores per hour: 1.78

Write Solution PerPart Timing: 0:0:2

Write Solution PerPart Timing: 2435.000000ms

Start solving for TOmega 5.200000e-03

Assembling matrices for Time 5.200000e-03

Assembling matrices for Time 5.200000e-03

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore

Timing: 0: 0: 0

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore :Memory Used = 0

Solving matrices for Time5.200000e-03

Solving matrices for Time5.200000e-03

Solver in progress...

>> end ScanDataFromFiles

>> Number of Cpus 4

>> Start Solving

>>>Solver :: Multi_Cores Iterative Solver

>> Set Iterative Parameters

>> WriteSolverParameters

>> RunIterativeSolver

Number of iterations: 26 , true residual: 2.40595e-19

Multi_Cores Iterative Solver:Total spent Cpu Time 0.005058

Multi_Cores Iterative Solver:Total spent Wall Time 0.008000

>>End Solving

Solving 00:00:00 Dimension 13088 Non_Zeroes 75204

reading file

Main call: Finished scanning the solution file for the multi-core solver: Dimension =
13088 File size = 104704 Timing: 00:00:00

Computing Circuit Quantities

Process To Compute Transient Circuit Parameters: Time Step= 1 Used memory = 0

Done solving for TOmega

Writing Solution... 5.200000e-03

Write Solution PerPart Timing: 0:0:3

Write Solution PerPart Timing: 2461.000000ms

Start solving for TOmega 5.300000e-03

Assembling matrices for Time 5.300000e-03

Assembling matrices for Time 5.300000e-03

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore
Timing: 0: 0: 0

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore :Me
mory Used = 0

Solving matrices for Time5.300000e-03

Solving matrices for Time5.300000e-03

Solver in progress...

>> end ScanDataFromFiles

>> Number of Cpus 4

>> Start Solving

>>>Solver :: Multi_Cores Iterative Solver

>> Set Iterative Parameters

>> WriteSolverParameters

>> RunIterativeSolver

Number of iterations: 26 , true residual: 2.40595e-19

Multi_Cores Iterative Solver:Total spent Cpu Time 0.005170

Multi_Cores Iterative Solver:Total spent Wall Time 0.010000

>>End Solving

Solving 00:00:00 Dimension 13088 Non_Zeroes 75204

reading file

Main call: Finished scanning the solution file for the multi-core solver: Dimension =
13088 File size = 104704 Timing: 00:00:00

Computing Circuit Quantities

Process To Compute Transient Circuit Parameters: Time Step= 1 Used memory = 0

Done solving for TOmega

Writing Solution... 5.300000e-03

Write Solution PerPart Timing: 0:0:3

Write Solution PerPart Timing: 2432.000000ms

Start solving for TOmega 5.400000e-03

Assembling matrices for Time 5.400000e-03

Assembling matrices for Time 5.400000e-03

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore
Timing: 0: 0: 0

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore :Me
mory Used = 0

Solving matrices for Time5.400000e-03

Solving matrices for Time 5.400000e-03

Solver in progress...

>> end ScanDataFromFiles

>> Number of Cpus 4

>> Start Solving

>>> Solver :: Multi_Cores Iterative Solver

>> Set Iterative Parameters

>> WriteSolverParameters

>> RunIterativeSolver

Number of iterations: 26 , true residual: 2.40595e-19

Multi_Cores Iterative Solver: Total spent Cpu Time 0.004992

Multi_Cores Iterative Solver: Total spent Wall Time 0.008000

>> End Solving

Solving 00:00:00 Dimension 13088 Non_Zeroes 75204

reading file

Main call: Finished scanning the solution file for the multi-core solver: Dimension =
13088 File size = 104704 Timing: 00:00:00

Computing Circuit Quantities

Process To Compute Transient Circuit Parameters: Time Step= 1 Used memory = 0

Done solving for TOmega

Writing Solution... 5.400000e-03

Write Solution PerPart Timing: 0:0:3

Write Solution PerPart Timing: 2403.000000ms

Start solving for TOmega 5.500000e-03

Assembling matrices for Time 5.500000e-03

Assembling matrices for Time 5.500000e-03

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore

Timing: 0: 0: 0

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore :Memory Used = 0

Solving matrices for Time5.500000e-03

Solving matrices for Time5.500000e-03

Solver in progress...

>> end ScanDataFromFiles

>> Number of Cpus 4

>> Start Solving

>>>Solver :: Multi_Cores Iterative Solver

>> Set Iterative Parameters

>> WriteSolverParameters

>> RunIterativeSolver

Number of iterations: 26 , true residual: 2.40595e-19

Multi_Cores Iterative Solver:Total spent Cpu Time 0.005142

Multi_Cores Iterative Solver:Total spent Wall Time 0.008000

>>End Solving

Solving 00:00:00 Dimension 13088 Non_Zeroes 75204

reading file

Main call: Finished scanning the solution file for the multi-core solver: Dimension = 13088 File size = 104704 Timing: 00:00:00

Computing Circuit Quantities

Process To Compute Transient Circuit Parameters: Time Step= 1 Used memory = 0

Done solving for TOmega

Writing Solution... 5.500000e-03

Progress: 24%

Estimated Time: 0:18:42

Remaining Time: 0:14:2

Available Memory(GB): 12.12

Current CPU Percentage: 43.64

Average cores per hour: 1.75

Write Solution PerPart Timing: 0:0:3

Write Solution PerPart Timing: 2369.000000ms

Start solving for TOmega 5.600000e-03

Assembling matrices for Time 5.600000e-03

Assembling matrices for Time 5.600000e-03

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore
Timing: 0: 0: 0

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore :Me
mory Used = 0

Solving matrices for Time5.600000e-03

Solving matrices for Time5.600000e-03

Solver in progress...

>> end ScanDataFromFiles

>> Number of Cpus 4

>> Start Solving

>>>Solver :: Multi_Cores Iterative Solver

>> Set Iterative Parameters

>> WriteSolverParameters

>> RunIterativeSolver

Number of iterations: 26 , true residual: 2.40595e-19

Multi_Cores Iterative Solver:Total spent Cpu Time 0.004986

Multi_Cores Iterative Solver:Total spent Wall Time 0.008000

>>End Solving

Solving 00:00:00 Dimension 13088 Non_Zeroes 75204

reading file

Main call: Finished scanning the solution file for the multi-core solver: Dimension = 13088 File size = 104704 Timing: 00:00:00

Computing Circuit Quantities

Process To Compute Transient Circuit Parameters: Time Step= 1 Used memory = 0

Done solving for TOmega

Writing Solution... 5.600000e-03

Write Solution PerPart Timing: 0:0:3

Write Solution PerPart Timing: 2347.000000ms

Start solving for TOmega 5.700000e-03

Assembling matrices for Time 5.700000e-03

Assembling matrices for Time 5.700000e-03

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore
Timing: 0: 0: 0

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore :Memory Used = 0

Solving matrices for Time5.700000e-03

Solving matrices for Time5.700000e-03

Solver in progress...

>> end ScanDataFromFiles

>> Number of Cpus 4

>> Start Solving

>>>Solver :: Multi_Cores Iterative Solver

>> Set Iterative Parameters

>> WriteSolverParameters

>> RunIterativeSolver

Number of iterations: 26 , true residual: 2.40595e-19

Multi_Cores Iterative Solver:Total spent Cpu Time 0.004600

Multi_Cores Iterative Solver:Total spent Wall Time 0.009000

>>End Solving

Solving 00:00:00 Dimension 13088 Non_Zeroes 75204

reading file

Main call: Finished scanning the solution file for the multi-core solver: Dimension =
13088 File size = 104704 Timing: 00:00:00

Computing Circuit Quantities

Process To Compute Transient Circuit Parameters: Time Step= 1 Used memory = 0

Done solving for TOmega

Writing Solution... 5.700000e-03

Write Solution PerPart Timing: 0:0:3

Write Solution PerPart Timing: 2418.000000ms

Start solving for TOmega 5.800000e-03

Assembling matrices for Time 5.800000e-03

Assembling matrices for Time 5.800000e-03

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore
Timing: 0: 0: 0

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore :Me
mory Used = 0

Solving matrices for Time5.800000e-03

Solving matrices for Time5.800000e-03

Solver in progress...

>> end ScanDataFromFiles

>> Number of Cpus 4

>> Start Solving

>>>Solver :: Multi_Cores Iterative Solver

>> Set Iterative Parameters

>> WriteSolverParameters

>> RunIterativeSolver

Number of iterations: 26 , true residual: 2.40595e-19

Multi_Cores Iterative Solver:Total spent Cpu Time 0.005005

Multi_Cores Iterative Solver:Total spent Wall Time 0.008000

>>End Solving

Solving 00:00:00 Dimension 13088 Non_Zeroes 75204

reading file

Main call: Finished scanning the solution file for the multi-core solver: Dimension = 13088 File size = 104704 Timing: 00:00:00

Computing Circuit Quantities

Process To Compute Transient Circuit Parameters: Time Step= 1 Used memory = 0

Done solving for TOmega

Writing Solution... 5.800000e-03

Write Solution PerPart Timing: 0:0:2

Write Solution PerPart Timing: 2338.000000ms

Start solving for TOmega 5.900000e-03

Assembling matrices for Time 5.900000e-03

Assembling matrices for Time 5.900000e-03

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore
Timing: 0: 0: 1

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore :Memory Used = 0

Solving matrices for Time5.900000e-03

Solving matrices for Time 5.900000e-03

Solver in progress...

>> end ScanDataFromFiles

>> Number of Cpus 4

>> Start Solving

>>> Solver :: Multi_Cores Iterative Solver

>> Set Iterative Parameters

>> WriteSolverParameters

>> RunIterativeSolver

Number of iterations: 26 , true residual: 2.40595e-19

Multi_Cores Iterative Solver: Total spent Cpu Time 0.004319

Multi_Cores Iterative Solver: Total spent Wall Time 0.008000

>> End Solving

Solving 00:00:00 Dimension 13088 Non_Zeroes 75204

reading file

Main call: Finished scanning the solution file for the multi-core solver: Dimension = 13088 File size = 104704 Timing: 00:00:00

Computing Circuit Quantities

Process To Compute Transient Circuit Parameters: Time Step= 1 Used memory = 0

Done solving for TOmega

Writing Solution... 5.900000e-03

Progress: 26%

Estimated Time: 0:18:42

Remaining Time: 0:13:42

Available Memory(GB): 12.06

Current CPU Percentage: 44.60

Average cores per hour: 1.78

Write Solution PerPart Timing: 0:0:2

Write Solution PerPart Timing: 2390.000000ms

Start solving for TOmega 6.000000e-03

Assembling matrices for Time 6.000000e-03

Assembling matrices for Time 6.000000e-03

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore
Timing: 0: 0: 1

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore :Me
mory Used = 0

Solving matrices for Time6.000000e-03

Solving matrices for Time6.000000e-03

Solver in progress...

>> end ScanDataFromFiles

>> Number of Cpus 4

>> Start Solving

>>>Solver :: Multi_Cores Iterative Solver

>> Set Iterative Parameters

>> WriteSolverParameters

>> RunIterativeSolver

Number of iterations: 26 , true residual: 2.40595e-19

Multi_Cores Iterative Solver:Total spent Cpu Time 0.004946

Multi_Cores Iterative Solver:Total spent Wall Time 0.008000

>>End Solving

Solving 00:00:00 Dimension 13088 Non_Zeroes 75204

reading file

Main call: Finished scanning the solution file for the multi-core solver: Dimension =
13088 File size = 104704 Timing: 00:00:00

Computing Circuit Quantities

Process To Compute Transient Circuit Parameters: Time Step= 1 Used memory = 0

Done solving for TOmega

Writing Solution... 6.000000e-03

Write Solution PerPart Timing: 0:0:2

Write Solution PerPart Timing: 2408.000000ms

Start solving for TOmega 6.100000e-03

Assembling matrices for Time 6.100000e-03

Assembling matrices for Time 6.100000e-03

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore
Timing: 0: 0: 1

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore :Me
mory Used = 0

Solving matrices for Time6.100000e-03

Solving matrices for Time6.100000e-03

Solver in progress...

>> end ScanDataFromFiles

>> Number of Cpus 4

>> Start Solving

>>>Solver :: Multi_Cores Iterative Solver

>> Set Iterative Parameters

>> WriteSolverParameters

>> RunIterativeSolver

Number of iterations: 26 , true residual: 2.40595e-19

Multi_Cores Iterative Solver:Total spent Cpu Time 0.004940

Multi_Cores Iterative Solver:Total spent Wall Time 0.008000

>>End Solving

Solving 00:00:00 Dimension 13088 Non_Zeroes 75204

reading file

Main call: Finished scanning the solution file for the multi-core solver: Dimension = 13088 File size = 104704 Timing: 00:00:00

Computing Circuit Quantities

Process To Compute Transient Circuit Parameters: Time Step= 1 Used memory = 0

Done solving for TOmega

Writing Solution... 6.100000e-03

Write Solution PerPart Timing: 0:0:2

Write Solution PerPart Timing: 2377.000000ms

Start solving for TOmega 6.200000e-03

Assembling matrices for Time 6.200000e-03

Assembling matrices for Time 6.200000e-03

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore
Timing: 0: 0: 1

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore :Memory Used = 0

Solving matrices for Time6.200000e-03

Solving matrices for Time6.200000e-03

Solver in progress...

>> end ScanDataFromFiles

>> Number of Cpus 4

>> Start Solving

>>>Solver :: Multi_Cores Iterative Solver

>> Set Iterative Parameters

>> WriteSolverParameters

>> RunIterativeSolver

Number of iterations: 26 , true residual: 2.40595e-19

Multi_Cores Iterative Solver:Total spent Cpu Time 0.004385

Multi_Cores Iterative Solver:Total spent Wall Time 0.008000

>>End Solving

Solving 00:00:00 Dimension 13088 Non_Zeroes 75204

reading file

Main call: Finished scanning the solution file for the multi-core solver: Dimension =
13088 File size = 104704 Timing: 00:00:00

Computing Circuit Quantities

Process To Compute Transient Circuit Parameters: Time Step= 1 Used memory = 0

Done solving for TOmega

Writing Solution... 6.200000e-03

Write Solution PerPart Timing: 0:0:2

Write Solution PerPart Timing: 2365.000000ms

Start solving for TOmega 6.300000e-03

Assembling matrices for Time 6.300000e-03

Assembling matrices for Time 6.300000e-03

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore
Timing: 0: 0: 1

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore :Me
mory Used = 0

Solving matrices for Time6.300000e-03

Solving matrices for Time6.300000e-03

Solver in progress...

>> end ScanDataFromFiles

>> Number of Cpus 4

>> Start Solving

>>>Solver :: Multi_Cores Iterative Solver

>> Set Iterative Parameters

>> WriteSolverParameters

>> RunIterativeSolver

Number of iterations: 26 , true residual: 2.40595e-19

Multi_Cores Iterative Solver:Total spent Cpu Time 0.004933

Multi_Cores Iterative Solver:Total spent Wall Time 0.008000

>>End Solving

Solving 00:00:00 Dimension 13088 Non_Zeroes 75204

reading file

Main call: Finished scanning the solution file for the multi-core solver: Dimension =
13088 File size = 104704 Timing: 00:00:00

Computing Circuit Quantities

Process To Compute Transient Circuit Parameters: Time Step= 1 Used memory = 0

Done solving for TOmega

Writing Solution... 6.300000e-03

Progress: 28%

Estimated Time: 0:18:42

Remaining Time: 0:13:22

Available Memory(GB): 12.04

Current CPU Percentage: 44.42

Average cores per hour: 1.78

Write Solution PerPart Timing: 0:0:2

Write Solution PerPart Timing: 2344.000000ms

Start solving for TOmega 6.400000e-03

Assembling matrices for Time 6.400000e-03

Assembling matrices for Time 6.400000e-03

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore

Timing: 0: 0: 0

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore :Me

memory Used = 0

Solving matrices for Time 6.400000e-03

Solving matrices for Time 6.400000e-03

Solver in progress...

>> end ScanDataFromFiles

>> Number of Cpus 4

>> Start Solving

>>> Solver :: Multi_Cores Iterative Solver

>> Set Iterative Parameters

>> WriteSolverParameters

>> RunIterativeSolver

Number of iterations: 26 , true residual: 2.40595e-19

Multi_Cores Iterative Solver: Total spent Cpu Time 0.004501

Multi_Cores Iterative Solver: Total spent Wall Time 0.009000

>> End Solving

Solving 00:00:01 Dimension 13088 Non_Zeroes 75204

reading file

Main call: Finished scanning the solution file for the multi-core solver: Dimension =

13088 File size = 104704 Timing: 00:00:00

Computing Circuit Quantities

Process To Compute Transient Circuit Parameters: Time Step= 1 Used memory = 0

Done solving for TOmega

Writing Solution... 6.400000e-03

Write Solution PerPart Timing: 0:0:2

Write Solution PerPart Timing: 2389.000000ms

Start solving for TOmega 6.500000e-03

Assembling matrices for Time 6.500000e-03

Assembling matrices for Time 6.500000e-03

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore
Timing: 0: 0: 0

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore :Me
mory Used = 0

Solving matrices for Time6.500000e-03

Solving matrices for Time6.500000e-03

Solver in progress...

>> end ScanDataFromFiles

>> Number of Cpus 4

>> Start Solving

>>>Solver :: Multi_Cores Iterative Solver

>> Set Iterative Parameters

>> WriteSolverParameters

>> RunIterativeSolver

Number of iterations: 26 , true residual: 2.40595e-19

Multi_Cores Iterative Solver:Total spent Cpu Time 0.004945

Multi_Cores Iterative Solver:Total spent Wall Time 0.008000

>>End Solving

Solving 00:00:00 Dimension 13088 Non_Zeroes 75204

reading file

Main call: Finished scanning the solution file for the multi-core solver: Dimension =
13088 File size = 104704 Timing: 00:00:00

Computing Circuit Quantities

Process To Compute Transient Circuit Parameters: Time Step= 1 Used memory = 0

Done solving for TOmega

Writing Solution... 6.500000e-03

Write Solution PerPart Timing: 0:0:2

Write Solution PerPart Timing: 2353.000000ms

Start solving for TOmega 6.600000e-03

Assembling matrices for Time 6.600000e-03

Assembling matrices for Time 6.600000e-03

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore
Timing: 0: 0: 0

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore :Me
mory Used = 0

Solving matrices for Time6.600000e-03

Solving matrices for Time6.600000e-03

Solver in progress...

>> end ScanDataFromFiles

>> Number of Cpus 4

>> Start Solving

>>>Solver :: Multi_Cores Iterative Solver

>> Set Iterative Parameters

>> WriteSolverParameters

>> RunIterativeSolver

Number of iterations: 26 , true residual: 2.40595e-19

Multi_Cores Iterative Solver:Total spent Cpu Time 0.004354

Multi_Cores Iterative Solver:Total spent Wall Time 0.008000

>>End Solving

Solving 00:00:00 Dimension 13088 Non_Zeroes 75204

reading file

Main call: Finished scanning the solution file for the multi-core solver: Dimension = 13088 File size = 104704 Timing: 00:00:00

Computing Circuit Quantities

Process To Compute Transient Circuit Parameters: Time Step= 1 Used memory = 0

Done solving for TOmega

Writing Solution... 6.600000e-03

Write Solution PerPart Timing: 0:0:3

Write Solution PerPart Timing: 2366.000000ms

Start solving for TOmega 6.700000e-03

Assembling matrices for Time 6.700000e-03

Assembling matrices for Time 6.700000e-03

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore
Timing: 0: 0: 0

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore :Memory Used = 0

Solving matrices for Time6.700000e-03

Solving matrices for Time6.700000e-03

Solver in progress...

>> end ScanDataFromFiles

>> Number of Cpus 4

>> Start Solving

>>>Solver :: Multi_Cores Iterative Solver

>> Set Iterative Parameters

>> WriteSolverParameters

>> RunIterativeSolver

Number of iterations: 26 , true residual: 2.40595e-19

Multi_Cores Iterative Solver:Total spent Cpu Time 0.004985

Multi_Cores Iterative Solver:Total spent Wall Time 0.008000

>>End Solving

Solving 00:00:00 Dimension 13088 Non_Zeroes 75204

reading file

Main call: Finished scanning the solution file for the multi-core solver: Dimension =
13088 File size = 104704 Timing: 00:00:00

Computing Circuit Quantities

Process To Compute Transient Circuit Parameters: Time Step= 1 Used memory = 0

Done solving for TOmega

Writing Solution... 6.700000e-03

Progress: 30%

Estimated Time: 0:18:42

Remaining Time: 0:13:2

Available Memory(GB): 12.00

Current CPU Percentage: 43.58

Average cores per hour: 1.74

Write Solution PerPart Timing: 0:0:3

Write Solution PerPart Timing: 2345.000000ms

Start solving for TOmega 6.800000e-03

Assembling matrices for Time 6.800000e-03

Assembling matrices for Time 6.800000e-03

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore
Timing: 0: 0: 0

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore :Memory Used = 0

Solving matrices for Time 6.800000e-03

Solving matrices for Time 6.800000e-03

Solver in progress...

>> end ScanDataFromFiles

>> Number of Cpus 4

>> Start Solving

>>> Solver :: Multi_Cores Iterative Solver

>> Set Iterative Parameters

>> WriteSolverParameters

>> RunIterativeSolver

Number of iterations: 26 , true residual: 2.40595e-19

Multi_Cores Iterative Solver: Total spent Cpu Time 0.004449

Multi_Cores Iterative Solver: Total spent Wall Time 0.008000

>> End Solving

Solving 00:00:00 Dimension 13088 Non_Zeroes 75204

reading file

Main call: Finished scanning the solution file for the multi-core solver: Dimension = 13088 File size = 104704 Timing: 00:00:00

Computing Circuit Quantities

Process To Compute Transient Circuit Parameters: Time Step= 1 Used memory = 0

Done solving for TOmega

Writing Solution... 6.800000e-03

Write Solution PerPart Timing: 0:0:2

Write Solution PerPart Timing: 2333.000000ms

Start solving for TOmega 6.900000e-03

Assembling matrices for Time 6.900000e-03

Assembling matrices for Time 6.900000e-03

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore
Timing: 0: 0: 1

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore :Memory Used = 0

Solving matrices for Time 6.900000e-03

Solving matrices for Time 6.900000e-03

Solver in progress...

>> end ScanDataFromFiles

>> Number of Cpus 4

>> Start Solving

>>> Solver :: Multi_Cores Iterative Solver

>> Set Iterative Parameters

>> WriteSolverParameters

>> RunIterativeSolver

Number of iterations: 26 , true residual: 2.40595e-19

Multi_Cores Iterative Solver: Total spent Cpu Time 0.004963

Multi_Cores Iterative Solver: Total spent Wall Time 0.008000

>> End Solving

Solving 00:00:00 Dimension 13088 Non_Zeroes 75204

reading file

Main call: Finished scanning the solution file for the multi-core solver: Dimension = 13088 File size = 104704 Timing: 00:00:00

Computing Circuit Quantities

Process To Compute Transient Circuit Parameters: Time Step= 1 Used memory = 0

Done solving for TOmega

Writing Solution... 6.900000e-03

Write Solution PerPart Timing: 0:0:2

Write Solution PerPart Timing: 2386.000000ms

Start solving for TOmega 7.000000e-03

Assembling matrices for Time 7.000000e-03

Assembling matrices for Time 7.000000e-03

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore
Timing: 0: 0: 1

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore :Memory Used = 0

Solving matrices for Time7.000000e-03

Solving matrices for Time7.000000e-03

Solver in progress...

>> end ScanDataFromFiles

>> Number of Cpus 4

>> Start Solving

>>>Solver :: Multi_Cores Iterative Solver

>> Set Iterative Parameters

>> WriteSolverParameters

>> RunIterativeSolver

Number of iterations: 26 , true residual: 2.40595e-19

Multi_Cores Iterative Solver:Total spent Cpu Time 0.004965

Multi_Cores Iterative Solver:Total spent Wall Time 0.008000

>>End Solving

Solving 00:00:00 Dimension 13088 Non_Zeroes 75204

reading file

Main call: Finished scanning the solution file for the multi-core solver: Dimension = 13088 File size = 104704 Timing: 00:00:00

Computing Circuit Quantities

Process To Compute Transient Circuit Parameters: Time Step= 1 Used memory = 0

Done solving for TOmega

Writing Solution... 7.000000e-03

Write Solution PerPart Timing: 0:0:2

Write Solution PerPart Timing: 2425.000000ms

Start solving for TOmega 7.100000e-03

Assembling matrices for Time 7.100000e-03

Assembling matrices for Time 7.100000e-03

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore
Timing: 0: 0: 1

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore :Memory Used = 0

Solving matrices for Time 7.100000e-03

Solving matrices for Time 7.100000e-03

Solver in progress...

>> end ScanDataFromFiles

>> Number of Cpus 4

>> Start Solving

>>> Solver :: Multi_Cores Iterative Solver

>> Set Iterative Parameters

>> WriteSolverParameters

>> RunIterativeSolver

Number of iterations: 26 , true residual: 2.40595e-19

Multi_Cores Iterative Solver: Total spent Cpu Time 0.005011

Multi_Cores Iterative Solver:Total spent Wall Time 0.008000

>>End Solving

Solving 00:00:00 Dimension 13088 Non_Zeroes 75204

reading file

Main call: Finished scanning the solution file for the multi-core solver: Dimension = 13088 File size = 104704 Timing: 00:00:00

Computing Circuit Quantities

Process To Compute Transient Circuit Parameters: Time Step= 1 Used memory = 0

Done solving for TOmega

Writing Solution... 7.100000e-03

Progress: 32%

Estimated Time: 0:18:42

Remaining Time: 0:12:42

Available Memory(GB): 11.94

Current CPU Percentage: 43.45

Average cores per hour: 1.74

Write Solution PerPart Timing: 0:0:2

Write Solution PerPart Timing: 2365.000000ms

Start solving for TOmega 7.200000e-03

Assembling matrices for Time 7.200000e-03

Assembling matrices for Time 7.200000e-03

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore
Timing: 0: 0: 1

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore :Memory Used = 0

Solving matrices for Time7.200000e-03

Solving matrices for Time7.200000e-03

Solver in progress...

>> end ScanDataFromFiles

>> Number of Cpus 4

>> Start Solving

>>> Solver :: Multi_Cores Iterative Solver

>> Set Iterative Parameters

>> WriteSolverParameters

>> RunIterativeSolver

Number of iterations: 26 , true residual: 2.40595e-19

Multi_Cores Iterative Solver:Total spent Cpu Time 0.004368

Multi_Cores Iterative Solver:Total spent Wall Time 0.008000

>>End Solving

Solving 00:00:00 Dimension 13088 Non_Zeroes 75204

reading file

Main call: Finished scanning the solution file for the multi-core solver: Dimension =
13088 File size = 104704 Timing: 00:00:00

Computing Circuit Quantities

Process To Compute Transient Circuit Parameters: Time Step= 1 Used memory = 0

Done solving for TOmega

Writing Solution... 7.200000e-03

Write Solution PerPart Timing: 0:0:2

Write Solution PerPart Timing: 2453.000000ms

Start solving for TOmega 7.300000e-03

Assembling matrices for Time 7.300000e-03

Assembling matrices for Time 7.300000e-03

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore

Timing: 0: 0: 1

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore :Memory Used = 0

Solving matrices for Time 7.300000e-03

Solving matrices for Time 7.300000e-03

Solver in progress...

>> end ScanDataFromFiles

>> Number of Cpus 4

>> Start Solving

>>> Solver :: Multi_Cores Iterative Solver

>> Set Iterative Parameters

>> WriteSolverParameters

>> RunIterativeSolver

Number of iterations: 26 , true residual: 2.40595e-19

Multi_Cores Iterative Solver: Total spent Cpu Time 0.004968

Multi_Cores Iterative Solver: Total spent Wall Time 0.008000

>> End Solving

Solving 00:00:00 Dimension 13088 Non_Zeroes 75204

reading file

Main call: Finished scanning the solution file for the multi-core solver: Dimension = 13088 File size = 104704 Timing: 00:00:00

Computing Circuit Quantities

Process To Compute Transient Circuit Parameters: Time Step= 1 Used memory = 0

Done solving for TOmega

Writing Solution... 7.300000e-03

Write Solution PerPart Timing: 0:0:2

Write Solution PerPart Timing: 2361.000000ms

Start solving for TOmega 7.400000e-03

Assembling matrices for Time 7.400000e-03

Assembling matrices for Time 7.400000e-03

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore
Timing: 0: 0: 1

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore :Me
mory Used = 0

Solving matrices for Time7.400000e-03

Solving matrices for Time7.400000e-03

Solver in progress...

>> end ScanDataFromFiles

>> Number of Cpus 4

>> Start Solving

>>>Solver :: Multi_Cores Iterative Solver

>> Set Iterative Parameters

>> WriteSolverParameters

>> RunIterativeSolver

Number of iterations: 26 , true residual: 2.40595e-19

Multi_Cores Iterative Solver:Total spent Cpu Time 0.004384

Multi_Cores Iterative Solver:Total spent Wall Time 0.009000

>>End Solving

Solving 00:00:00 Dimension 13088 Non_Zeroes 75204

reading file

Main call: Finished scanning the solution file for the multi-core solver: Dimension =
13088 File size = 104704 Timing: 00:00:00

Computing Circuit Quantities

Process To Compute Transient Circuit Parameters: Time Step= 1 Used memory = 0

Done solving for TOmega

Writing Solution... 7.400000e-03

Write Solution PerPart Timing: 0:0:2

Write Solution PerPart Timing: 2466.000000ms

Start solving for TOmega 7.500000e-03

Assembling matrices for Time 7.500000e-03

Assembling matrices for Time 7.500000e-03

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore
Timing: 0: 0: 1

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore :Memory Used = 0

Solving matrices for Time 7.500000e-03

Solving matrices for Time 7.500000e-03

Solver in progress...

>> end ScanDataFromFiles

>> Number of Cpus 4

>> Start Solving

>>> Solver :: Multi_Cores Iterative Solver

>> Set Iterative Parameters

>> WriteSolverParameters

>> RunIterativeSolver

Number of iterations: 26 , true residual: 2.40595e-19

Multi_Cores Iterative Solver: Total spent Cpu Time 0.005070

Multi_Cores Iterative Solver: Total spent Wall Time 0.008000

>> End Solving

Solving 00:00:00 Dimension 13088 Non_Zeroes 75204

reading file

Main call: Finished scanning the solution file for the multi-core solver: Dimension = 13088 File size = 104704 Timing: 00:00:00

Computing Circuit Quantities

Process To Compute Transient Circuit Parameters: Time Step= 1 Used memory = 0

Done solving for TOmega

Writing Solution... 7.500000e-03

Progress: 33%

Estimated Time: 0:18:42

Remaining Time: 0:12:22

Available Memory(GB): 11.92

Current CPU Percentage: 43.34

Average cores per hour: 1.73

Write Solution PerPart Timing: 0:0:2

Write Solution PerPart Timing: 2347.000000ms

Start solving for TOmega 7.600000e-03

Assembling matrices for Time 7.600000e-03

Assembling matrices for Time 7.600000e-03

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore

Timing: 0: 0: 1

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore :Memory Used = 0

Solving matrices for Time 7.600000e-03

Solving matrices for Time 7.600000e-03

Solver in progress...

>> end ScanDataFromFiles

>> Number of Cpus 4

>> Start Solving

>>>Solver :: Multi_Cores Iterative Solver

>> Set Iterative Parameters

>> WriteSolverParameters

>> RunIterativeSolver

Number of iterations: 26 , true residual: 2.40595e-19

Multi_Cores Iterative Solver:Total spent Cpu Time 0.005022

Multi_Cores Iterative Solver:Total spent Wall Time 0.008000

>>End Solving

Solving 00:00:00 Dimension 13088 Non_Zeroes 75204

reading file

Main call: Finished scanning the solution file for the multi-core solver: Dimension = 13088 File size = 104704 Timing: 00:00:00

Computing Circuit Quantities

Process To Compute Transient Circuit Parameters: Time Step= 1 Used memory = 0

Done solving for TOmega

Writing Solution... 7.600000e-03

Write Solution PerPart Timing: 0:0:2

Write Solution PerPart Timing: 2386.000000ms

Start solving for TOmega 7.700000e-03

Assembling matrices for Time 7.700000e-03

Assembling matrices for Time 7.700000e-03

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore
Timing: 0: 0: 0

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore :Memory Used = 0

Solving matrices for Time7.700000e-03

Solving matrices for Time 7.700000e-03

Solver in progress...

>> end ScanDataFromFiles

>> Number of Cpus 4

>> Start Solving

>>> Solver :: Multi_Cores Iterative Solver

>> Set Iterative Parameters

>> WriteSolverParameters

>> RunIterativeSolver

Number of iterations: 26 , true residual: 2.40595e-19

Multi_Cores Iterative Solver: Total spent Cpu Time 0.004551

Multi_Cores Iterative Solver: Total spent Wall Time 0.009000

>> End Solving

Solving 00:00:00 Dimension 13088 Non_Zeroes 75204

reading file

Main call: Finished scanning the solution file for the multi-core solver: Dimension =
13088 File size = 104704 Timing: 00:00:00

Computing Circuit Quantities

Process To Compute Transient Circuit Parameters: Time Step= 1 Used memory = 0

Done solving for TOmega

Writing Solution... 7.700000e-03

Write Solution PerPart Timing: 0:0:2

Write Solution PerPart Timing: 2439.000000ms

Start solving for TOmega 7.800000e-03

Assembling matrices for Time 7.800000e-03

Assembling matrices for Time 7.800000e-03

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore

Timing: 0: 0: 0

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore :Memory Used = 0

Solving matrices for Time 7.800000e-03

Solving matrices for Time 7.800000e-03

Solver in progress...

>> end ScanDataFromFiles

>> Number of Cpus 4

>> Start Solving

>>> Solver :: Multi_Cores Iterative Solver

>> Set Iterative Parameters

>> WriteSolverParameters

>> RunIterativeSolver

Number of iterations: 26 , true residual: 2.40595e-19

Multi_Cores Iterative Solver: Total spent Cpu Time 0.005186

Multi_Cores Iterative Solver: Total spent Wall Time 0.008000

>> End Solving

Solving 00:00:00 Dimension 13088 Non_Zeroes 75204

reading file

Main call: Finished scanning the solution file for the multi-core solver: Dimension = 13088 File size = 104704 Timing: 00:00:00

Computing Circuit Quantities

Process To Compute Transient Circuit Parameters: Time Step= 1 Used memory = 0

Done solving for TOmega

Writing Solution... 7.800000e-03

Write Solution PerPart Timing: 0:0:2

Write Solution PerPart Timing: 2367.000000ms

Start solving for TOmega 7.900000e-03

Assembling matrices for Time 7.900000e-03

Assembling matrices for Time 7.900000e-03

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore
Timing: 0: 0: 0

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore :Me
mory Used = 0

Solving matrices for Time7.900000e-03

Solving matrices for Time7.900000e-03

Solver in progress...

>> end ScanDataFromFiles

>> Number of Cpus 4

>> Start Solving

>>>Solver :: Multi_Cores Iterative Solver

>> Set Iterative Parameters

>> WriteSolverParameters

>> RunIterativeSolver

Number of iterations: 26 , true residual: 2.40595e-19

Multi_Cores Iterative Solver:Total spent Cpu Time 0.004961

Multi_Cores Iterative Solver:Total spent Wall Time 0.008000

>>End Solving

Solving 00:00:00 Dimension 13088 Non_Zeroes 75204

reading file

Main call: Finished scanning the solution file for the multi-core solver: Dimension =
13088 File size = 104704 Timing: 00:00:00

Computing Circuit Quantities

Process To Compute Transient Circuit Parameters: Time Step= 1 Used memory = 0

Done solving for TOmega

Writing Solution... 7.900000e-03

Write Solution PerPart Timing: 0:0:3

Write Solution PerPart Timing: 2381.000000ms

Start solving for TOmega 8.000000e-03

Assembling matrices for Time 8.000000e-03

Assembling matrices for Time 8.000000e-03

Progress: 35%

Estimated Time: 0:18:42

Remaining Time: 0:12:2

Available Memory(GB): 11.87

Current CPU Percentage: 43.62

Average cores per hour: 1.75

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore

Timing: 0: 0: 0

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore :Memory Used = 0

Solving matrices for Time8.000000e-03

Solving matrices for Time8.000000e-03

Solver in progress...

>> end ScanDataFromFiles

>> Number of Cpus 4

>> Start Solving

>>>Solver :: Multi_Cores Iterative Solver

>> Set Iterative Parameters

>> WriteSolverParameters

>> RunIterativeSolver

Number of iterations: 26 , true residual: 2.40595e-19

Multi_Cores Iterative Solver:Total spent Cpu Time 0.004963

Multi_Cores Iterative Solver:Total spent Wall Time 0.008000

>>End Solving

Solving 00:00:00 Dimension 13088 Non_Zeroes 75204

reading file

Main call: Finished scanning the solution file for the multi-core solver: Dimension =
13088 File size = 104704 Timing: 00:00:00

Computing Circuit Quantities

Process To Compute Transient Circuit Parameters: Time Step= 1 Used memory = 0

Done solving for TOmega

Writing Solution... 8.000000e-03

Write Solution PerPart Timing: 0:0:3

Write Solution PerPart Timing: 2385.000000ms

Start solving for TOmega 8.100000e-03

Assembling matrices for Time 8.100000e-03

Assembling matrices for Time 8.100000e-03

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore
Timing: 0: 0: 0

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore :Me
mory Used = 0

Solving matrices for Time8.100000e-03

Solving matrices for Time8.100000e-03

Solver in progress...

>> end ScanDataFromFiles

>> Number of Cpus 4

>> Start Solving

>>>Solver :: Multi_Cores Iterative Solver

>> Set Iterative Parameters

>> WriteSolverParameters

>> RunIterativeSolver

Number of iterations: 26 , true residual: 2.40595e-19

Multi_Cores Iterative Solver:Total spent Cpu Time 0.005052

Multi_Cores Iterative Solver:Total spent Wall Time 0.008000

>>End Solving

Solving 00:00:00 Dimension 13088 Non_Zeroes 75204

reading file

Main call: Finished scanning the solution file for the multi-core solver: Dimension =
13088 File size = 104704 Timing: 00:00:00

Computing Circuit Quantities

Process To Compute Transient Circuit Parameters: Time Step= 1 Used memory = 0

Done solving for TOmega

Writing Solution... 8.100000e-03

Write Solution PerPart Timing: 0:0:3

Write Solution PerPart Timing: 2454.000000ms

Start solving for TOmega 8.200000e-03

Assembling matrices for Time 8.200000e-03

Assembling matrices for Time 8.200000e-03

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore
Timing: 0: 0: 0

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore :Me
mory Used = 0

Solving matrices for Time8.200000e-03

Solving matrices for Time 8.200000e-03

Solver in progress...

>> end ScanDataFromFiles

>> Number of Cpus 4

>> Start Solving

>>> Solver :: Multi_Cores Iterative Solver

>> Set Iterative Parameters

>> WriteSolverParameters

>> RunIterativeSolver

Number of iterations: 26 , true residual: 2.40595e-19

Multi_Cores Iterative Solver: Total spent Cpu Time 0.004989

Multi_Cores Iterative Solver: Total spent Wall Time 0.008000

>> End Solving

Solving 00:00:00 Dimension 13088 Non_Zeroes 75204

reading file

Main call: Finished scanning the solution file for the multi-core solver: Dimension = 13088 File size = 104704 Timing: 00:00:00

Computing Circuit Quantities

Process To Compute Transient Circuit Parameters: Time Step= 1 Used memory = 0

Done solving for TOmega

Writing Solution... 8.200000e-03

Write Solution PerPart Timing: 0:0:3

Write Solution PerPart Timing: 2425.000000ms

Start solving for TOmega 8.300000e-03

Assembling matrices for Time 8.300000e-03

Assembling matrices for Time 8.300000e-03

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore

Timing: 0: 0: 0

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore :Memory Used = 0

Solving matrices for Time8.300000e-03

Solving matrices for Time8.300000e-03

Solver in progress...

>> end ScanDataFromFiles

>> Number of Cpus 4

>> Start Solving

>>>Solver :: Multi_Cores Iterative Solver

>> Set Iterative Parameters

>> WriteSolverParameters

>> RunIterativeSolver

Number of iterations: 26 , true residual: 2.40595e-19

Multi_Cores Iterative Solver:Total spent Cpu Time 0.005018

Multi_Cores Iterative Solver:Total spent Wall Time 0.008000

>>End Solving

Solving 00:00:00 Dimension 13088 Non_Zeroes 75204

reading file

Main call: Finished scanning the solution file for the multi-core solver: Dimension = 13088 File size = 104704 Timing: 00:00:00

Computing Circuit Quantities

Process To Compute Transient Circuit Parameters: Time Step= 1 Used memory = 0

Done solving for TOmega

Writing Solution... 8.300000e-03

Write Solution PerPart Timing: 0:0:3

Write Solution PerPart Timing: 2398.000000ms

Start solving for TOmega 8.400000e-03

Assembling matrices for Time 8.400000e-03

Assembling matrices for Time 8.400000e-03

Progress: 37%

Estimated Time: 0:18:42

Remaining Time: 0:11:42

Available Memory(GB): 11.83

Current CPU Percentage: 43.82

Average cores per hour: 1.75

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore
Timing: 0: 0: 0

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore :Memory Used = 0

Solving matrices for Time8.400000e-03

Solving matrices for Time8.400000e-03

Solver in progress...

>> end ScanDataFromFiles

>> Number of Cpus 4

>> Start Solving

>>>Solver :: Multi_Cores Iterative Solver

>> Set Iterative Parameters

>> WriteSolverParameters

>> RunIterativeSolver

Number of iterations: 26 , true residual: 2.40595e-19

Multi_Cores Iterative Solver:Total spent Cpu Time 0.004889

Multi_Cores Iterative Solver:Total spent Wall Time 0.008000

>>End Solving

Solving 00:00:00 Dimension 13088 Non_Zeroes 75204

reading file

Main call: Finished scanning the solution file for the multi-core solver: Dimension = 13088 File size = 104704 Timing: 00:00:00

Computing Circuit Quantities

Process To Compute Transient Circuit Parameters: Time Step= 1 Used memory = 0

Done solving for TOmega

Writing Solution... 8.400000e-03

Write Solution PerPart Timing: 0:0:3

Write Solution PerPart Timing: 2392.000000ms

Start solving for TOmega 8.500000e-03

Assembling matrices for Time 8.500000e-03

Assembling matrices for Time 8.500000e-03

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore
Timing: 0: 0: 0

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore :Memory Used = 0

Solving matrices for Time8.500000e-03

Solving matrices for Time8.500000e-03

Solver in progress...

>> end ScanDataFromFiles

>> Number of Cpus 4

>> Start Solving

>>>Solver :: Multi_Cores Iterative Solver

>> Set Iterative Parameters

>> WriteSolverParameters

>> RunIterativeSolver

Number of iterations: 26 , true residual: 2.40595e-19

Multi_Cores Iterative Solver:Total spent Cpu Time 0.004911

Multi_Cores Iterative Solver:Total spent Wall Time 0.008000

>>End Solving

Solving 00:00:00 Dimension 13088 Non_Zeroes 75204

reading file

Main call: Finished scanning the solution file for the multi-core solver: Dimension =
13088 File size = 104704 Timing: 00:00:00

Computing Circuit Quantities

Process To Compute Transient Circuit Parameters: Time Step= 1 Used memory = 0

Done solving for TOmega

Writing Solution... 8.500000e-03

Write Solution PerPart Timing: 0:0:3

Write Solution PerPart Timing: 2354.000000ms

Start solving for TOmega 8.600000e-03

Assembling matrices for Time 8.600000e-03

Assembling matrices for Time 8.600000e-03

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore
Timing: 0: 0: 0

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore :Me
mory Used = 0

Solving matrices for Time8.600000e-03

Solving matrices for Time8.600000e-03

Solver in progress...

>> end ScanDataFromFiles

>> Number of Cpus 4

>> Start Solving

>>>Solver :: Multi_Cores Iterative Solver

>> Set Iterative Parameters

>> WriteSolverParameters

>> RunIterativeSolver

Number of iterations: 26 , true residual: 2.40595e-19

Multi_Cores Iterative Solver:Total spent Cpu Time 0.004381

Multi_Cores Iterative Solver:Total spent Wall Time 0.008000

>>End Solving

Solving 00:00:00 Dimension 13088 Non_Zeroes 75204

reading file

Main call: Finished scanning the solution file for the multi-core solver: Dimension = 13088 File size = 104704 Timing: 00:00:00

Computing Circuit Quantities

Process To Compute Transient Circuit Parameters: Time Step= 1 Used memory = 0

Done solving for TOmega

Writing Solution... 8.600000e-03

Write Solution PerPart Timing: 0:0:2

Write Solution PerPart Timing: 2375.000000ms

Start solving for TOmega 8.700000e-03

Assembling matrices for Time 8.700000e-03

Assembling matrices for Time 8.700000e-03

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore
Timing: 0: 0: 1

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore :Memory Used = 0

Solving matrices for Time8.700000e-03

Solving matrices for Time 8.700000e-03

Solver in progress...

>> end ScanDataFromFiles

>> Number of Cpus 4

>> Start Solving

>>> Solver :: Multi_Cores Iterative Solver

>> Set Iterative Parameters

>> WriteSolverParameters

>> RunIterativeSolver

Number of iterations: 26 , true residual: 2.40595e-19

Multi_Cores Iterative Solver: Total spent Cpu Time 0.004940

Multi_Cores Iterative Solver: Total spent Wall Time 0.008000

>> End Solving

Solving 00:00:00 Dimension 13088 Non_Zeroes 75204

reading file

Main call: Finished scanning the solution file for the multi-core solver: Dimension = 13088 File size = 104704 Timing: 00:00:00

Computing Circuit Quantities

Process To Compute Transient Circuit Parameters: Time Step= 1 Used memory = 0

Done solving for TOmega

Writing Solution... 8.700000e-03

Write Solution PerPart Timing: 0:0:2

Write Solution PerPart Timing: 2464.000000ms

Start solving for TOmega 8.800000e-03

Assembling matrices for Time 8.800000e-03

Assembling matrices for Time 8.800000e-03

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore

Timing: 0: 0: 1

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore :Memory Used = 0

Solving matrices for Time8.800000e-03

Solving matrices for Time8.800000e-03

Solver in progress...

>> end ScanDataFromFiles

>> Number of Cpus 4

>> Start Solving

>>>Solver :: Multi_Cores Iterative Solver

>> Set Iterative Parameters

>> WriteSolverParameters

>> RunIterativeSolver

Number of iterations: 26 , true residual: 2.40595e-19

Multi_Cores Iterative Solver:Total spent Cpu Time 0.004979

Multi_Cores Iterative Solver:Total spent Wall Time 0.008000

>>End Solving

Solving 00:00:00 Dimension 13088 Non_Zeroes 75204

reading file

Main call: Finished scanning the solution file for the multi-core solver: Dimension = 13088 File size = 104704 Timing: 00:00:00

Progress: 39%

Estimated Time: 0:18:42

Remaining Time: 0:11:22

Available Memory(GB): 11.81

Current CPU Percentage: 43.49

Average cores per hour: 1.74

Computing Circuit Quantities

Process To Compute Transient Circuit Parameters: Time Step= 1 Used memory = 0

Done solving for TOmega

Writing Solution... 8.800000e-03

Write Solution PerPart Timing: 0:0:2

Write Solution PerPart Timing: 2460.000000ms

Start solving for TOmega 8.900000e-03

Assembling matrices for Time 8.900000e-03

Assembling matrices for Time 8.900000e-03

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore
Timing: 0: 0: 1

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore :Me
mory Used = 0

Solving matrices for Time8.900000e-03

Solving matrices for Time8.900000e-03

Solver in progress...

>> end ScanDataFromFiles

>> Number of Cpus 4

>> Start Solving

>>>Solver :: Multi_Cores Iterative Solver

>> Set Iterative Parameters

>> WriteSolverParameters

>> RunIterativeSolver

Number of iterations: 26 , true residual: 2.40595e-19

Multi_Cores Iterative Solver:Total spent Cpu Time 0.004969

Multi_Cores Iterative Solver:Total spent Wall Time 0.009000

>>End Solving

Solving 00:00:00 Dimension 13088 Non_Zeroes 75204

reading file

Main call: Finished scanning the solution file for the multi-core solver: Dimension = 13088 File size = 104704 Timing: 00:00:00

Computing Circuit Quantities

Process To Compute Transient Circuit Parameters: Time Step= 1 Used memory = 0

Done solving for TOmega

Writing Solution... 8.900000e-03

Write Solution PerPart Timing: 0:0:2

Write Solution PerPart Timing: 2346.000000ms

Start solving for TOmega 9.000000e-03

Assembling matrices for Time 9.000000e-03

Assembling matrices for Time 9.000000e-03

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore
Timing: 0: 0: 1

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore :Memory Used = 0

Solving matrices for Time9.000000e-03

Solving matrices for Time9.000000e-03

Solver in progress...

>> end ScanDataFromFiles

>> Number of Cpus 4

>> Start Solving

>>>Solver :: Multi_Cores Iterative Solver

>> Set Iterative Parameters

>> WriteSolverParameters

>> RunIterativeSolver

Number of iterations: 26 , true residual: 2.40595e-19

Multi_Cores Iterative Solver:Total spent Cpu Time 0.004471

Multi_Cores Iterative Solver:Total spent Wall Time 0.008000

>>End Solving

Solving 00:00:00 Dimension 13088 Non_Zeroes 75204

reading file

Main call: Finished scanning the solution file for the multi-core solver: Dimension =
13088 File size = 104704 Timing: 00:00:00

Computing Circuit Quantities

Process To Compute Transient Circuit Parameters: Time Step= 1 Used memory = 0

Done solving for TOmega

Writing Solution... 9.000000e-03

Write Solution PerPart Timing: 0:0:2

Write Solution PerPart Timing: 2468.000000ms

Start solving for TOmega 9.100000e-03

Assembling matrices for Time 9.100000e-03

Assembling matrices for Time 9.100000e-03

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore
Timing: 0: 0: 1

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore :Me
mory Used = 0

Solving matrices for Time9.100000e-03

Solving matrices for Time9.100000e-03

Solver in progress...

>> end ScanDataFromFiles

>> Number of Cpus 4

>> Start Solving

>>>Solver :: Multi_Cores Iterative Solver

>> Set Iterative Parameters

>> WriteSolverParameters

>> RunIterativeSolver

Number of iterations: 26 , true residual: 2.40595e-19

Multi_Cores Iterative Solver:Total spent Cpu Time 0.004984

Multi_Cores Iterative Solver:Total spent Wall Time 0.008000

>>End Solving

Solving 00:00:00 Dimension 13088 Non_Zeroes 75204

reading file

Main call: Finished scanning the solution file for the multi-core solver: Dimension = 13088 File size = 104704 Timing: 00:00:00

Computing Circuit Quantities

Process To Compute Transient Circuit Parameters: Time Step= 1 Used memory = 0

Done solving for TOmega

Writing Solution... 9.100000e-03

Write Solution PerPart Timing: 0:0:2

Write Solution PerPart Timing: 2432.000000ms

Start solving for TOmega 9.200000e-03

Assembling matrices for Time 9.200000e-03

Assembling matrices for Time 9.200000e-03

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore
Timing: 0: 0: 1

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore :Memory Used = 0

Solving matrices for Time9.200000e-03

Solving matrices for Time 9.200000e-03

Solver in progress...

>> end ScanDataFromFiles

>> Number of Cpus 4

>> Start Solving

>>> Solver :: Multi_Cores Iterative Solver

>> Set Iterative Parameters

>> WriteSolverParameters

>> RunIterativeSolver

Number of iterations: 26 , true residual: 2.40595e-19

Multi_Cores Iterative Solver: Total spent Cpu Time 0.005168

Multi_Cores Iterative Solver: Total spent Wall Time 0.008000

>> End Solving

Solving 00:00:00 Dimension 13088 Non_Zeroes 75204

reading file

Main call: Finished scanning the solution file for the multi-core solver: Dimension =
13088 File size = 104704 Timing: 00:00:00

Computing Circuit Quantities

Progress: 40%

Estimated Time: 0:18:42

Remaining Time: 0:11:2

Available Memory(GB): 11.76

Current CPU Percentage: 43.19

Average cores per hour: 1.73

Process To Compute Transient Circuit Parameters: Time Step= 1 Used memory = 0

Done solving for TOmega

Writing Solution... 9.200000e-03

Write Solution PerPart Timing: 0:0:2

Write Solution PerPart Timing: 2366.000000ms

Start solving for TOmega 9.300000e-03

Assembling matrices for Time 9.300000e-03

Assembling matrices for Time 9.300000e-03

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore
Timing: 0: 0: 1

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore :Me
mory Used = 0

Solving matrices for Time9.300000e-03

Solving matrices for Time9.300000e-03

Solver in progress...

>> end ScanDataFromFiles

>> Number of Cpus 4

>> Start Solving

>>>Solver :: Multi_Cores Iterative Solver

>> Set Iterative Parameters

>> WriteSolverParameters

>> RunIterativeSolver

Number of iterations: 26 , true residual: 2.40595e-19

Multi_Cores Iterative Solver:Total spent Cpu Time 0.004964

Multi_Cores Iterative Solver:Total spent Wall Time 0.008000

>>End Solving

Solving 00:00:00 Dimension 13088 Non_Zeroes 75204

reading file

Main call: Finished scanning the solution file for the multi-core solver: Dimension =
13088 File size = 104704 Timing: 00:00:00

Computing Circuit Quantities

Process To Compute Transient Circuit Parameters: Time Step= 1 Used memory = 0

Done solving for TOmega

Writing Solution... 9.300000e-03

Write Solution PerPart Timing: 0:0:2

Write Solution PerPart Timing: 2398.000000ms

Start solving for TOmega 9.400000e-03

Assembling matrices for Time 9.400000e-03

Assembling matrices for Time 9.400000e-03

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore
Timing: 0: 0: 1

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore :Memory Used = 0

Solving matrices for Time9.400000e-03

Solving matrices for Time9.400000e-03

Solver in progress...

>> end ScanDataFromFiles

>> Number of Cpus 4

>> Start Solving

>>>Solver :: Multi_Cores Iterative Solver

>> Set Iterative Parameters

>> WriteSolverParameters

>> RunIterativeSolver

Number of iterations: 26 , true residual: 2.40595e-19

Multi_Cores Iterative Solver:Total spent Cpu Time 0.005093

Multi_Cores Iterative Solver:Total spent Wall Time 0.009000

>>End Solving

Solving 00:00:00 Dimension 13088 Non_Zeroes 75204

reading file

Main call: Finished scanning the solution file for the multi-core solver: Dimension = 13088 File size = 104704 Timing: 00:00:00

Computing Circuit Quantities

Process To Compute Transient Circuit Parameters: Time Step= 1 Used memory = 0

Done solving for TOmega

Writing Solution... 9.400000e-03

Write Solution PerPart Timing: 0:0:2

Write Solution PerPart Timing: 2401.000000ms

Start solving for TOmega 9.500000e-03

Assembling matrices for Time 9.500000e-03

Assembling matrices for Time 9.500000e-03

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore
Timing: 0: 0: 0

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore :Memory Used = 0

Solving matrices for Time9.500000e-03

Solving matrices for Time9.500000e-03

Solver in progress...

>> end ScanDataFromFiles

>> Number of Cpus 4

>> Start Solving

>>>Solver :: Multi_Cores Iterative Solver

>> Set Iterative Parameters

>> WriteSolverParameters

>> RunIterativeSolver

Number of iterations: 26 , true residual: 2.40595e-19

Multi_Cores Iterative Solver:Total spent Cpu Time 0.004717

Multi_Cores Iterative Solver:Total spent Wall Time 0.010000

>>End Solving

Solving 00:00:01 Dimension 13088 Non_Zeroes 75204

reading file

Main call: Finished scanning the solution file for the multi-core solver: Dimension =
13088 File size = 104704 Timing: 00:00:00

Computing Circuit Quantities

Process To Compute Transient Circuit Parameters: Time Step= 1 Used memory = 0

Done solving for TOmega

Writing Solution... 9.500000e-03

Write Solution PerPart Timing: 0:0:2

Write Solution PerPart Timing: 2481.000000ms

Start solving for TOmega 9.600000e-03

Assembling matrices for Time 9.600000e-03

Assembling matrices for Time 9.600000e-03

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore
Timing: 0: 0: 0

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore :Me
mory Used = 0

Solving matrices for Time9.600000e-03

Solving matrices for Time9.600000e-03

Solver in progress...

>> end ScanDataFromFiles

>> Number of Cpus 4

>> Start Solving

>>>Solver :: Multi_Cores Iterative Solver

>> Set Iterative Parameters

>> WriteSolverParameters

>> RunIterativeSolver

Number of iterations: 26 , true residual: 2.40595e-19

Multi_Cores Iterative Solver:Total spent Cpu Time 0.004783

Multi_Cores Iterative Solver:Total spent Wall Time 0.008000

>>End Solving

Solving 00:00:00 Dimension 13088 Non_Zeroes 75204

reading file

Main call: Finished scanning the solution file for the multi-core solver: Dimension = 13088 File size = 104704 Timing: 00:00:00

Computing Circuit Quantities

Progress: 42%

Estimated Time: 0:18:42

Remaining Time: 0:10:42

Available Memory(GB): 11.65

Current CPU Percentage: 43.22

Average cores per hour: 1.73

Process To Compute Transient Circuit Parameters: Time Step= 1 Used memory = 0

Done solving for TOmega

Writing Solution... 9.600000e-03

Write Solution PerPart Timing: 0:0:2

Write Solution PerPart Timing: 2390.000000ms

Start solving for TOmega 9.700000e-03

Assembling matrices for Time 9.700000e-03

Assembling matrices for Time 9.700000e-03

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore

Timing: 0: 0: 0

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore :Me

memory Used = 0

Solving matrices for Time9.700000e-03

Solving matrices for Time9.700000e-03

Solver in progress...

>> end ScanDataFromFiles

>> Number of Cpus 4

>> Start Solving

>>>Solver :: Multi_Cores Iterative Solver

>> Set Iterative Parameters

>> WriteSolverParameters

>> RunIterativeSolver

Number of iterations: 26 , true residual: 2.40595e-19

Multi_Cores Iterative Solver:Total spent Cpu Time 0.004963

Multi_Cores Iterative Solver:Total spent Wall Time 0.008000

>>End Solving

Solving 00:00:01 Dimension 13088 Non_Zeroes 75204

reading file

Main call: Finished scanning the solution file for the multi-core solver: Dimension =

13088 File size = 104704 Timing: 00:00:00

Computing Circuit Quantities

Process To Compute Transient Circuit Parameters: Time Step= 1 Used memory = 0

Done solving for TOmega

Writing Solution... 9.700000e-03

Write Solution PerPart Timing: 0:0:2

Write Solution PerPart Timing: 2400.000000ms

Start solving for TOmega 9.800000e-03

Assembling matrices for Time 9.800000e-03

Assembling matrices for Time 9.800000e-03

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore
Timing: 0: 0: 0

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore :Me
mory Used = 0

Solving matrices for Time9.800000e-03

Solving matrices for Time9.800000e-03

Solver in progress...

>> end ScanDataFromFiles

>> Number of Cpus 4

>> Start Solving

>>>Solver :: Multi_Cores Iterative Solver

>> Set Iterative Parameters

>> WriteSolverParameters

>> RunIterativeSolver

Number of iterations: 26 , true residual: 2.40595e-19

Multi_Cores Iterative Solver:Total spent Cpu Time 0.004995

Multi_Cores Iterative Solver:Total spent Wall Time 0.008000

>>End Solving

Solving 00:00:00 Dimension 13088 Non_Zeroes 75204

reading file

Main call: Finished scanning the solution file for the multi-core solver: Dimension =
13088 File size = 104704 Timing: 00:00:00

Computing Circuit Quantities

Process To Compute Transient Circuit Parameters: Time Step= 1 Used memory = 0

Done solving for TOmega

Writing Solution... 9.800000e-03

Write Solution PerPart Timing: 0:0:2

Write Solution PerPart Timing: 2380.000000ms

Start solving for TOmega 9.900000e-03

Assembling matrices for Time 9.900000e-03

Assembling matrices for Time 9.900000e-03

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore
Timing: 0: 0: 0

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore :Me
mory Used = 0

Solving matrices for Time9.900000e-03

Solving matrices for Time9.900000e-03

Solver in progress...

>> end ScanDataFromFiles

>> Number of Cpus 4

>> Start Solving

>>>Solver :: Multi_Cores Iterative Solver

>> Set Iterative Parameters

>> WriteSolverParameters

>> RunIterativeSolver

Number of iterations: 26 , true residual: 2.40595e-19

Multi_Cores Iterative Solver:Total spent Cpu Time 0.004430

Multi_Cores Iterative Solver:Total spent Wall Time 0.008000

>>End Solving

Solving 00:00:00 Dimension 13088 Non_Zeroes 75204

reading file

Main call: Finished scanning the solution file for the multi-core solver: Dimension = 13088 File size = 104704 Timing: 00:00:00

Computing Circuit Quantities

Process To Compute Transient Circuit Parameters: Time Step= 1 Used memory = 0

Done solving for TOmega

Writing Solution... 9.900000e-03

Write Solution PerPart Timing: 0:0:3

Write Solution PerPart Timing: 2364.000000ms

Start solving for TOmega 1.000000e-02

Assembling matrices for Time 1.000000e-02

Assembling matrices for Time 1.000000e-02

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore
Timing: 0: 0: 0

CTransientMagneticStudy::AssembleGlobalForTransientMagneticIterativeMulticore :Memory Used = 0

Solving matrices for Time1.000000e-02

Solving matrices for Time1.000000e-02

Solver in progress...

>> end ScanDataFromFiles

>> Number of Cpus 4

>> Start Solving

>>>Solver :: Multi_Cores Iterative Solver

>> Set Iterative Parameters

>> WriteSolverParameters

>> RunIterativeSolver

Number of iterations: 26 , true residual: 2.40595e-19

Multi_Cores Iterative Solver:Total spent Cpu Time 0.004971

Multi_Cores Iterative Solver:Total spent Wall Time 0.008000

>>End Solving

Solving 00:00:00 Dimension 13088 Non_Zeroes 75204

reading file

Main call: Finished scanning the solution file for the multi-core solver: Dimension =
13088 File size = 104704 Timing: 00:00:00

Computing Circuit Quantities

Progress: 44%

Estimated Time: 0:18:42

Remaining Time: 0:10:22

Available Memory(GB): 11.72

Current CPU Percentage: 43.44

Average cores per hour: 1.74

Process To Compute Transient Circuit Parameters: Time Step= 1 Used memory = 0

Done solving for TOmega

Writing Solution... 1.000000e-02