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TrussPy - Object Oriented Truss Solver for Python
          Version 2018.08 (Build 20180829)

Author: Dutzler A.
        Graz University of Technology, 2018

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```

Initialize Model

- loading Managers
  - finished.

Model Summary

```
Analysis Dimension      "ndim": 3
Number of Nodes        "nnodes": 9
Number of Elements     "nelems": 12

System DOF               "ndof": 27
active DOF              "ndof1": 9
locked DOF              "ndof2": 18

active DOF           "nproDOF1": [18 19 20 21 22 23 24 25 26]
fixed  DOF           "nproDOF0": [ 0  1  2  3  4  5  6  7  8  9 10 11 12 13 14 15 16 17]
```

Run Simulation

Summary of Analysis Parameters

Description	Parameter	Value
Maximum increments	`incs`	132
Maximum increment recycles	`cycl`	4
Maximum Newton-Rhapson iterations	`nfev`	8
Maximum incremental displacement	`du`	0.05
Maximum incremental LPF	`dlpf`	0.05
Initial control component	`j0`	LPF
Locked control component	`j_fixed`	False
Maximum incremental overshoot	`dxtol`	1.000001
Tolerance for x	`xtol`	8
Tolerance for f	`ftol`	8

Step 1

- i(1) is index with 1st-biggest component in abs(Dx/Dx,max).
- i(2) is index with 2nd-biggest component in abs(Dx/Dx,max).
- i(3) is index with 3rd-biggest component in abs(Dx/Dx,max).
- i(4) is index with 4th-biggest component in abs(Dx/Dx,max).
- Value(i) is value of i-th component in abs(Dx/Dx,max).

$$\text{Value}_i = \left| \frac{D_x}{D_{x,max}} \right|_i$$

Increment 1

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
1	0	10	1.469e-02	9	-2				

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
	1		1.221e-06						
	2		4.834e-14						
	3		3.658e-16						
total	sum	used	final		final		final		final
1	4	-9	3.658e-16	9	-1.0000	3	-1.0000	10	0.3890

- final LPF: 0.01945

Increment 2

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
1	0	-9	2.695e-03	3	-1				

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
	1		2.030e-06						
	2		1.679e-13						
	3		3.262e-16						
total	sum	used	final		final		final		final
1	4	-3	3.262e-16	3	-1.0000	9	-1.0000	10	0.3365

- final LPF: 0.03628

Increment 3

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
1	0	-3	2.957e-03	3	-1				

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
	1		3.489e-06						
	2		8.534e-13						
	3		3.683e-16						
total	sum	used	final		final		final		final
1	4	-3	3.683e-16	3	-1.0000	9	-1.0000	1	0.3601

- final LPF: 0.05013

Increment 4

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
1	0	-3	3.254e-03	9	-1				

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
	1		5.992e-06						
	2		5.121e-12						
	3		2.989e-16						

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
total	sum	used	final		final		final		final
1	4	-9	2.989e-16	9	-1.0000	3	-1.0000	7	-0.4249

- final LPF: 0.06059

Increment 5

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
1	0	-9	3.580e-03	9	-1				

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
	1		9.892e-06						
	2		1.887e-11						
	3		2.966e-16						
total	sum	used	final		final		final		final
1	4	-9	2.966e-16	9	-1.0000	3	-1.0000	7	-0.5087

- final LPF: 0.0671

Increment 6

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
1	0	-9	3.899e-03	9	-1				

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
	1		1.497e-05						
	2		4.391e-11						
	3		1.692e-16						
total	sum	used	final		final		final		final
1	4	-9	1.692e-16	3	-1.0000	9	-1.0000	1	0.6186

- final LPF: 0.06898

Increment 7

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
1	0	-3	4.131e-03	9	-1				

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
	1		1.934e-05						
	2		6.039e-11						
	3		2.950e-16						
total	sum	used	final		final		final		final
1	4	-9	2.950e-16	9	-1.0000	3	-1.0000	7	-0.7612

- final LPF: 0.06544

Increment 8

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
1	0	-9	4.133e-03	9	-1				

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
	1		1.854e-05						
	2		3.862e-11						
	3		4.421e-16						
total	sum	used	final		final		final		final
1	4	-9	4.421e-16	9	-1.0000	3	-1.0000	7	-0.9354

- final LPF: 0.05584

Increment 9

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
1	0	-9	3.820e-03	1	1				

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
	1		9.811e-06						
	2		2.959e-12						
	3		1.274e-16						
total	sum	used	final		final		final		final
1	4	1	1.274e-16	1	1.0000	7	-1.0000	3	-0.9012

- final LPF: 0.04211

Increment 10

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
1	0	1	2.596e-03	1	1				

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
	1		4.208e-06						
	2		1.208e-11						
	3		1.402e-16						
total	sum	used	final		final		final		final
1	4	1	1.402e-16	7	-1.0000	1	1.0000	9	-0.8094

- final LPF: 0.0267

Increment 11

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
1	0	-7	2.486e-03	1	1				

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
	1		4.503e-06						
	2		1.353e-11						
	3		2.456e-16						
total	sum	used	final		final		final		final
1	4	1	2.456e-16	1	1.0000	7	-1.0000	9	-0.7750

- final LPF: 0.01083

Increment 12

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
1	0	1	2.880e-03	7	-1				

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
	1		4.731e-06						

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
	2		1.165e-11						
	3		3.423e-16						
total	sum	used	final		final		final		final
1	4	-7	3.423e-16	1	1.0000	7	-1.0000	9	-0.7853

- final LPF: -0.004609

Increment 13

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
1	0	1	3.484e-03	7	-1				

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
	1		5.954e-06						
	2		1.311e-11						
	3		1.763e-16						
total	sum	used	final		final		final		final
1	4	-7	1.763e-16	7	-1.0000	1	1.0000	3	-0.8364

- final LPF: -0.01888

Increment 14

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
1	0	-7	4.213e-03	7	-1				

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
	1		9.603e-06						
	2		3.434e-11						
	3		5.280e-16						
total	sum	used	final		final		final		final
1	4	-7	5.280e-16	1	1.0000	7	-1.0000	3	-0.9319

- final LPF: -0.03127

Increment 15

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
1	0	1	5.104e-03	1	1				

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
	1		1.796e-05						
	2		1.844e-10						
	3		3.735e-16						
total	sum	used	final		final		final		final
1	4	1	3.735e-16	9	-1.0857	3	-1.0857	7	-1.0000

- recycling increment

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
	1		5.134e-03						
	2		3.647e-05						
	3		1.470e-09						
	4		3.244e-16						
total	sum	used	final		final		final		final
2	4	-9	3.244e-16	9	-1.0000	3	-1.0000	1	0.9274

- final LPF: -0.04038

Increment 16

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
1	0	-9	4.493e-03	3	-1				

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
	1		2.619e-05						
	2		7.015e-10						
	3		2.864e-16						
total	sum	used	final		final		final		final
1	4	-3	2.864e-16	3	-1.0000	9	-1.0000	7	-0.7837

- final LPF: -0.04566

Increment 17

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
1	0	-3	3.868e-03	9	-1				

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
	1		1.803e-05						
	2		3.080e-10						
	3		7.444e-16						
total	sum	used	final		final		final		final
1	4	-9	7.444e-16	3	-1.0000	9	-1.0000	1	0.6548

- final LPF: -0.04777

Increment 18

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
1	0	-3	3.337e-03	3	-1				

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
	1		1.244e-05						
	2		1.367e-10						
	3		6.384e-16						
total	sum	used	final		final		final		final
1	4	-3	6.384e-16	3	-1.0000	9	-1.0000	1	0.5414

- final LPF: -0.04734

Increment 19

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
1	0	-3	2.910e-03	9	-1				

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
	1		8.786e-06						
	2		6.417e-11						
	3		1.538e-16						
total	sum	used	final		final		final		final
1	4	-9	1.538e-16	9	-1.0000	3	-1.0000	7	-0.4417

- final LPF: -0.0449

Increment 20

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
1	0	-9	2.577e-03	3	-1				

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
	1		6.421e-06						
	2		3.252e-11						
	3		2.869e-16						
total	sum	used	final		final		final		final
1	4	-3	2.869e-16	9	-1.0000	3	-1.0000	1	0.3534

- final LPF: -0.04086

Increment 21

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
1	0	-9	2.319e-03	9	-1				

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
	1		4.878e-06						
	2		1.796e-11						
	3		7.148e-16						
total	sum	used	final		final		final		final
1	4	-9	7.148e-16	9	-1.0000	3	-1.0000	6	-0.3873

- final LPF: -0.03555

Increment 22

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
1	0	-9	2.122e-03	3	-1				

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
	1		3.862e-06						

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
	2		1.086e-11						
	3		3.306e-16						
total	sum	used	final		final		final		final
1	4	-3	3.306e-16	9	-1.0000	3	-1.0000	6	-0.4347

- final LPF: -0.02923

Increment 23

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
1	0	-9	1.972e-03	3	-1				

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
	1		3.188e-06						
	2		7.195e-12						
	3		1.934e-16						
total	sum	used	final		final		final		final
1	4	-3	1.934e-16	3	-1.0000	9	-1.0000	6	-0.4769

- final LPF: -0.0221

Increment 24

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
1	0	-3	1.863e-03	9	-1				

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
	1		2.747e-06						
	2		5.229e-12						
	3		1.925e-16						
total	sum	used	final		final		final		final
1	4	-9	1.925e-16	9	-1.0000	3	-1.0000	6	-0.5156

- final LPF: -0.01433

Increment 25

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
1	0	-9	1.788e-03	9	-1				

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
	1		2.470e-06						
	2		4.169e-12						
	3		3.409e-16						
total	sum	used	final		final		final		final
1	4	-9	3.409e-16	3	-1.0000	9	-1.0000	6	-0.5521

- final LPF: -0.006048

Increment 26

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
1	0	-3	1.744e-03	9	-1				

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
	1		2.320e-06						
	2		3.651e-12						
	3		5.211e-16						
total	sum	used	final		final		final		final
1	4	-9	5.211e-16	9	-1.0000	3	-1.0000	6	-0.5876

- final LPF: 0.002648

Increment 27

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
1	0	-9	1.732e-03	9	-1				

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
	1		2.279e-06						
	2		3.521e-12						
	3		6.747e-16						
total	sum	used	final		final		final		final
1	4	-9	6.747e-16	9	-1.0000	3	-1.0000	6	-0.6233

- final LPF: 0.01166

Increment 28

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
1	0	-9	1.753e-03	9	-1				

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
	1		2.345e-06						
	2		3.758e-12						
	3		2.514e-16						
total	sum	used	final		final		final		final
1	4	-9	2.514e-16	9	-1.0000	3	-1.0000	6	-0.6602

- final LPF: 0.02092

Increment 29

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
1	0	-9	1.810e-03	9	-1				

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
	1		2.535e-06						
	2		4.468e-12						
	3		5.671e-16						
total	sum	used	final		final		final		final
1	4	-9	5.671e-16	9	-1.0000	3	-1.0000	6	-0.6993

- final LPF: 0.03035

Increment 30

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
1	0	-9	1.910e-03	9	-1				

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
	1		2.889e-06						

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
	2		5.983e-12						
	3		3.798e-16						
total	sum	used	final		final		final		final
1	4	-9	3.798e-16	3	-1.0000	9	-1.0000	6	-0.7421

- final LPF: 0.03987

Increment 31

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
1	0	-3	2.062e-03	9	-1				

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
	1		3.492e-06						
	2		9.144e-12						
	3		2.492e-16						
total	sum	used	final		final		final		final
1	4	-9	2.492e-16	3	-1.0000	9	-1.0000	6	-0.7901

- final LPF: 0.04939

Increment 32

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
1	0	-3	2.281e-03	9	-1				

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
	1		4.504e-06						
	2		1.626e-11						
	3		1.718e-16						
total	sum	used	final		final		final		final
1	4	-9	1.718e-16	9	-1.0000	3	-1.0000	6	-0.8457

- final LPF: 0.0588

Increment 33

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
1	0	-9	2.589e-03	9	-1				

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
	1		6.260e-06						
	2		3.451e-11						
	3		7.858e-16						
total	sum	used	final		final		final		final
1	4	-9	7.858e-16	3	-1.0000	9	-1.0000	6	-0.9119

- final LPF: 0.06797

Increment 34

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
1	0	-3	3.022e-03	9	-1				

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
	1		9.509e-06						
	2		9.086e-11						
	3		3.881e-16						
total	sum	used	final		final		final		final
1	4	-9	3.881e-16	9	-1.0000	3	-1.0000	6	-0.9940

- final LPF: 0.07666

Increment 35

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
1	0	-9	3.647e-03	6	-1				

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
	1		5.836e-06						
	2		1.284e-11						
	3		4.951e-16						
total	sum	used	final		final		final		final
1	4	-6	4.951e-16	6	-1.0000	9	-0.9131	3	-0.9131

- final LPF: 0.08389

Increment 36

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
1	0	-6	3.376e-03	6	-1				

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
	1		5.506e-06						
	2		1.067e-11						
	3		3.484e-16						
total	sum	used	final		final		final		final
1	4	-6	3.484e-16	6	-1.0000	3	-0.8210	9	-0.8210

- final LPF: 0.08946

Increment 37

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
1	0	-6	3.398e-03	6	-1				

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
	1		5.349e-06						
	2		9.610e-12						
	3		4.872e-16						
total	sum	used	final		final		final		final
1	4	-6	4.872e-16	6	-1.0000	9	-0.7295	3	-0.7295

- final LPF: 0.09319

Increment 38

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
1	0	-6	3.414e-03	6	-1				

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
	1		5.327e-06						

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
	2		9.322e-12						
	3		5.908e-16						
total	sum	used	final		final		final		final
1	4	-6	5.908e-16	6	-1.0000	9	-0.6380	3	-0.6380

- final LPF: 0.09496

Increment 39

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
1	0	-6	3.416e-03	6	-1				

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
	1		5.419e-06						
	2		9.699e-12						
	3		3.826e-16						
total	sum	used	final		final		final		final
1	4	-6	3.826e-16	6	-1.0000	3	-0.5463	9	-0.5463

- final LPF: 0.09463

Increment 40

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
1	0	-6	3.402e-03	6	-1				

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
	1		5.619e-06						
	2		1.078e-11						
	3		3.776e-16						
total	sum	used	final		final		final		final
1	4	-6	3.776e-16	6	-1.0000	7	0.4782	1	-0.4782

- final LPF: 0.0921

Increment 41

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
1	0	-6	3.368e-03	6	-1				

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
	1		5.931e-06						
	2		1.277e-11						
	3		3.159e-16						
total	sum	used	final		final		final		final
1	4	-6	3.159e-16	6	-1.0000	1	-0.4798	7	0.4798

- final LPF: 0.08728

Increment 42

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
1	0	-6	3.317e-03	6	-1				

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
	1		6.378e-06						
	2		1.607e-11						
	3		5.086e-16						
total	sum	used	final		final		final		final
1	4	-6	5.086e-16	6	-1.0000	1	-0.4826	7	0.4826

- final LPF: 0.08014

Increment 43

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
1	0	-6	3.255e-03	6	-1				

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
	1		7.001e-06						
	2		2.155e-11						
	3		2.545e-16						
total	sum	used	final		final		final		final
1	4	-6	2.545e-16	6	-1.0000	1	-0.4872	7	0.4872

- final LPF: 0.07067

Increment 44

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
1	0	-6	3.195e-03	6	-1				

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
	1		7.879e-06						
	2		3.097e-11						
	3		3.673e-16						
total	sum	used	final		final		final		final
1	4	-6	3.673e-16	6	-1.0000	7	0.4935	1	-0.4935

- final LPF: 0.0589

Increment 45

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
1	0	-6	3.156e-03	6	-1				

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
	1		9.158e-06						
	2		4.841e-11						
	3		4.961e-16						
total	sum	used	final		final		final		final
1	4	-6	4.961e-16	6	-1.0000	7	0.5012	1	-0.5012

- final LPF: 0.04491

Increment 46

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
1	0	-6	3.171e-03	6	-1				

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
	1		1.113e-05						

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
	2		8.456e-11						
	3		2.640e-16						
total	sum	used	final		final		final		final
1	4	-6	2.640e-16	6	-1.0000	1	-0.5094	7	0.5094

- final LPF: 0.02882

Increment 47

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
1	0	-6	3.283e-03	6	-1				

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
	1		1.440e-05						
	2		1.728e-10						
	3		6.674e-16						
total	sum	used	final		final		final		final
1	4	-6	6.674e-16	6	-1.0000	7	0.5165	1	-0.5165

- final LPF: 0.01077

Increment 48

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
1	0	-6	3.562e-03	6	-1				

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
	1		2.048e-05						
	2		4.469e-10						
	3		3.527e-16						
total	sum	used	final		final		final		final
1	4	-6	3.527e-16	6	-1.0000	1	-0.5198	7	0.5198

- final LPF: -0.00907

Increment 49

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
1	0	-6	4.125e-03	6	-1				

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
	1		3.380e-05						
	2		1.683e-09						
	3		1.550e-16						
total	sum	used	final		final		final		final
1	4	-6	1.550e-16	6	-1.0000	9	0.6207	3	0.6207

- final LPF: -0.03049

Increment 50

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
1	0	-6	5.225e-03	6	-1				

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
	1		7.221e-05						
	2		1.225e-08						
	3		7.314e-16						
	4		4.660e-16						
total	sum	used	final		final		final		final
1	5	-6	4.660e-16	6	-1.0000	9	0.8726	3	0.8726

- final LPF: -0.05329

Increment 51

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
1	0	-6	7.619e-03	3	1				

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
	1		3.435e-05						
	2		8.325e-10						
	3		2.398e-16						
total	sum	used	final		final		final		final

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
1	4	3	2.398e-16	3	1.0000	9	1.0000	6	-0.8039

- final LPF: -0.07256

Increment 52

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
1	0	3	5.697e-03	9	1				

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
	1		2.437e-05						
	2		5.445e-10						
	3		2.698e-16						
total	sum	used	final		final		final		final
1	4	9	2.698e-16	9	1.0000	3	1.0000	6	-0.5495

- final LPF: -0.08633

Increment 53

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
1	0	9	4.935e-03	3	1				

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
	1		1.953e-05						
	2		3.790e-10						
	3		2.459e-16						
total	sum	used	final		final		final		final
1	4	3	2.459e-16	9	1.0000	3	1.0000	6	-0.3466

- final LPF: -0.09556

Increment 54

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
1	0	9	4.395e-03	9	1				

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
	1		1.571e-05						
	2		2.381e-10						
	3		2.063e-16						
total	sum	used	final		final		final		final
1	4	9	2.063e-16	3	1.0000	9	1.0000	6	-0.1732

- final LPF: -0.1009

Increment 55

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
1	0	3	3.943e-03	9	1				

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
	1		1.193e-05						
	2		1.212e-10						
	3		3.798e-16						
total	sum	used	final		final		final		final
1	4	9	3.798e-16	9	1.0000	3	1.0000	7	-0.1047

- final LPF: -0.1027

Increment 56

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
1	0	9	3.525e-03	9	1				

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
	1		8.268e-06						
	2		4.760e-11						
	3		2.132e-16						
total	sum	used	final		final		final		final
1	4	9	2.132e-16	3	1.0000	9	1.0000	7	-0.1573

- final LPF: -0.1016

Increment 57

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
1	0	3	3.129e-03	3	1				

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
	1		5.156e-06						
	2		1.534e-11						
	3		4.443e-16						
total	sum	used	final		final		final		final
1	4	3	4.443e-16	9	1.0000	3	1.0000	6	0.2158

- final LPF: -0.09768

Increment 58

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
1	0	9	2.757e-03	9	1				

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
	1		2.884e-06						
	2		4.939e-12						
	3		2.114e-16						
total	sum	used	final		final		final		final
1	4	9	2.114e-16	9	1.0000	3	1.0000	6	0.3044

- final LPF: -0.09149

Increment 59

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
1	0	9	2.414e-03	9	1				

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
	1		1.504e-06						
	2		1.441e-12						
	3		8.442e-17						
total	sum	used	final		final		final		final
1	4	9	8.442e-17	3	1.0000	9	1.0000	6	0.3750

- final LPF: -0.08329

Increment 60

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
1	0	3	2.103e-03	9	1				

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
	1		9.308e-07						
	2		5.275e-13						
	3		3.342e-16						
total	sum	used	final		final		final		final
1	4	9	3.342e-16	9	1.0000	3	1.0000	6	0.4300

- final LPF: -0.0734

Increment 61

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
1	0	9	1.825e-03	3	1				

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
	1		8.756e-07						
	2		3.519e-13						
	3		1.923e-16						
total	sum	used	final		final		final		final
1	4	3	1.923e-16	9	1.0000	3	1.0000	6	0.4721

- final LPF: -0.06211

Increment 62

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
1	0	9	1.581e-03	3	1				

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
	1		9.443e-07						

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
	2		4.377e-13						
	3		3.131e-16						
total	sum	used	final		final		final		final
1	4	3	3.131e-16	3	1.0000	9	1.0000	6	0.5036

- final LPF: -0.04969

Increment 63

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
1	0	3	1.373e-03	9	1				

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
	1		1.004e-06						
	2		7.436e-13						
	3		1.204e-16						
total	sum	used	final		final		final		final
1	4	9	1.204e-16	9	1.0000	3	1.0000	6	0.5263

- final LPF: -0.0364

Increment 64

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
1	0	9	1.206e-03	9	1				

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
	1		1.046e-06						
	2		9.777e-13						
	3		3.441e-16						
total	sum	used	final		final		final		final
1	4	9	3.441e-16	9	1.0000	3	1.0000	6	0.5416

- final LPF: -0.0225

Increment 65

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
1	0	9	1.093e-03	9	1				

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
	1		1.071e-06						
	2		1.112e-12						
	3		3.394e-16						
total	sum	used	final		final		final		final
1	4	9	3.394e-16	9	1.0000	3	1.0000	6	0.5506

- final LPF: -0.008218

Increment 66

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
1	0	9	1.045e-03	9	1				

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
	1		1.081e-06						
	2		1.162e-12						
	3		5.333e-16						
total	sum	used	final		final		final		final
1	4	9	5.333e-16	9	1.0000	3	1.0000	6	0.5538

- final LPF: 0.006194

Increment 67

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
1	0	9	1.068e-03	9	1				

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
	1		1.073e-06						
	2		1.136e-12						
	3		6.948e-17						
total	sum	used	final		final		final		final
1	4	9	6.948e-17	9	1.0000	3	1.0000	6	0.5514

- final LPF: 0.0205

Increment 68

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
1	0	9	1.158e-03	9	1				

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
	1		1.047e-06						
	2		1.030e-12						
	3		2.944e-16						
total	sum	used	final		final		final		final
1	4	9	2.944e-16	9	1.0000	3	1.0000	6	0.5432

- final LPF: 0.03448

Increment 69

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
1	0	9	1.301e-03	9	1				

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
	1		1.003e-06						
	2		8.322e-13						
	3		2.755e-16						
total	sum	used	final		final		final		final
1	4	9	2.755e-16	9	1.0000	3	1.0000	6	0.5289

- final LPF: 0.04786

Increment 70

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
1	0	9	1.485e-03	9	1				

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
	1		9.408e-07						

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
	2		5.448e-13						
	3		3.975e-16						
total	sum	used	final		final		final		final
1	4	9	3.975e-16	9	1.0000	3	1.0000	6	0.5073

- final LPF: 0.06042

Increment 71

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
1	0	9	1.701e-03	9	1				

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
	1		8.619e-07						
	2		3.118e-13						
	3		3.005e-16						
total	sum	used	final		final		final		final
1	4	9	3.005e-16	9	1.0000	3	1.0000	6	0.4772

- final LPF: 0.07189

Increment 72

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
1	0	9	1.943e-03	9	1				

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
	1		8.332e-07						
	2		3.755e-13						
	3		3.788e-16						
total	sum	used	final		final		final		final
1	4	9	3.788e-16	9	1.0000	3	1.0000	6	0.4367

- final LPF: 0.08199

Increment 73

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
1	0	9	2.211e-03	3	1				

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
	1		1.140e-06						
	2		6.246e-13						
	3		3.275e-16						
total	sum	used	final		final		final		final
1	4	3	3.275e-16	9	1.0000	3	1.0000	6	0.3836

- final LPF: 0.09045

Increment 74

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
1	0	9	2.505e-03	3	1				

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
	1		2.103e-06						
	2		2.418e-12						
	3		3.168e-16						
total	sum	used	final		final		final		final
1	4	3	3.168e-16	3	1.0000	9	1.0000	6	0.3153

- final LPF: 0.09694

Increment 75

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
1	0	3	2.827e-03	9	1				

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
	1		3.806e-06						
	2		8.132e-12						
	3		2.924e-16						
total	sum	used	final		final		final		final
1	4	9	2.924e-16	3	1.0000	9	1.0000	6	0.2294

- final LPF: 0.1012

Increment 76

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
1	0	3	3.177e-03	3	1				

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
	1		6.207e-06						
	2		2.637e-11						
	3		3.436e-16						
total	sum	used	final		final		final		final
1	4	3	3.436e-16	9	1.0000	3	1.0000	1	-0.1630

- final LPF: 0.1027

Increment 77

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
1	0	9	3.551e-03	9	1				

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
	1		9.035e-06						
	2		6.749e-11						
	3		4.112e-16						
total	sum	used	final		final		final		final
1	4	9	4.112e-16	3	1.0000	9	1.0000	1	-0.1134

- final LPF: 0.1013

Increment 78

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
1	0	3	3.952e-03	3	1				

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
	1		1.179e-05						

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
	2		1.258e-10						
	3		4.074e-16						
total	sum	used	final		final		final		final
1	4	3	4.074e-16	9	1.0000	3	1.0000	6	-0.1507

- final LPF: 0.09653

Increment 79

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
1	0	9	4.398e-03	9	1				

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
	1		1.400e-05						
	2		1.732e-10						
	3		4.445e-16						
total	sum	used	final		final		final		final
1	4	9	4.445e-16	3	1.0000	9	1.0000	6	-0.3207

- final LPF: 0.08788

Increment 80

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
1	0	3	4.943e-03	9	1				

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
	1		1.570e-05						
	2		1.820e-10						
	3		1.750e-16						
total	sum	used	final		final		final		final
1	4	9	1.750e-16	9	1.0000	3	1.0000	6	-0.5186

- final LPF: 0.0748

Increment 81

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
1	0	9	5.724e-03	3	1				

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
	1		1.882e-05						
	2		1.154e-10						
	3		5.119e-16						
total	sum	used	final		final		final		final
1	4	3	5.119e-16	9	1.0000	3	1.0000	6	-0.7633

- final LPF: 0.05639

Increment 82

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
1	0	9	7.109e-03	9	1				

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
	1		4.340e-05						
	2		3.856e-10						
	3		3.264e-16						
total	sum	used	final		final		final		final
1	4	9	3.264e-16	6	-1.1136	3	1.0000	9	1.0000

- recycling increment

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
	1		8.562e-03						
	2		1.133e-04						
	3		2.002e-08						
	4		7.657e-16						
	5		8.555e-16						
total	sum	used	final		final		final		final
2	5	-6	8.555e-16	6	-1.0000	3	0.9149	9	0.9149

- final LPF: 0.03342

Increment 83

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
1	0	-6	5.776e-03	6	-1				

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
	1		4.360e-05						
	2		2.090e-09						
	3		3.124e-16						
total	sum	used	final		final		final		final
1	4	-6	3.124e-16	6	-1.0000	3	0.6487	9	0.6487

- final LPF: 0.0118

Increment 84

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
1	0	-6	4.540e-03	6	-1				

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
	1		2.397e-05						
	2		4.870e-10						
	3		4.132e-16						
total	sum	used	final		final		final		final
1	4	-6	4.132e-16	6	-1.0000	7	-0.5198	1	0.5198

- final LPF: -0.008252

Increment 85

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
1	0	-6	3.911e-03	6	-1				

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
	1		1.593e-05						
	2		1.757e-10						
	3		2.498e-16						
total	sum	used	final		final		final		final
1	4	-6	2.498e-16	6	-1.0000	1	0.5172	7	-0.5172

- final LPF: -0.02655

Increment 86

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
1	0	-6	3.591e-03	6	-1				

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
	1		1.188e-05						
	2		8.281e-11						
	3		1.223e-16						
total	sum	used	final		final		final		final
1	4	-6	1.223e-16	6	-1.0000	7	-0.5104	1	0.5104

- final LPF: -0.04291

Increment 87

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
1	0	-6	3.446e-03	6	-1				

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
	1		9.556e-06						
	2		4.649e-11						
	3		5.033e-16						
total	sum	used	final		final		final		final
1	4	-6	5.033e-16	6	-1.0000	7	-0.5023	1	0.5023

- final LPF: -0.05718

Increment 88

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
1	0	-6	3.400e-03	6	-1				

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
	1		8.096e-06						

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
	2		2.951e-11						
	3		5.158e-16						
total	sum	used	final		final		final		final
1	4	-6	5.158e-16	6	-1.0000	1	0.4944	7	-0.4944

- final LPF: -0.06925

Increment 89

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
1	0	-6	3.407e-03	6	-1				

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
	1		7.120e-06						
	2		2.053e-11						
	3		2.510e-16						
total	sum	used	final		final		final		final
1	4	-6	2.510e-16	6	-1.0000	7	-0.4879	1	0.4879

- final LPF: -0.07902

Increment 90

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
1	0	-6	3.434e-03	6	-1				

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
	1		6.442e-06						
	2		1.538e-11						
	3		3.159e-16						
total	sum	used	final		final		final		final
1	4	-6	3.159e-16	6	-1.0000	1	0.4831	7	-0.4831

- final LPF: -0.08647

Increment 91

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
1	0	-6	3.464e-03	6	-1				

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
	1		5.960e-06						
	2		1.231e-11						
	3		4.011e-16						
total	sum	used	final		final		final		final
1	4	-6	4.011e-16	6	-1.0000	1	0.4800	7	-0.4800

- final LPF: -0.09159

Increment 92

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
1	0	-6	3.483e-03	6	-1				

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
	1		5.621e-06						
	2		1.049e-11						
	3		3.035e-16						
total	sum	used	final		final		final		final
1	4	-6	3.035e-16	6	-1.0000	7	-0.4783	1	0.4783

- final LPF: -0.09443

Increment 93

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
1	0	-6	3.486e-03	6	-1				

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
	1		5.397e-06						
	2		9.518e-12						
	3		5.206e-16						
total	sum	used	final		final		final		final
1	4	-6	5.206e-16	6	-1.0000	9	-0.5341	3	-0.5341

- final LPF: -0.09504

Increment 94

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
1	0	-6	3.473e-03	6	-1				

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
	1		5.277e-06						
	2		9.212e-12						
	3		5.448e-16						
total	sum	used	final		final		final		final
1	4	-6	5.448e-16	6	-1.0000	3	-0.6260	9	-0.6260

- final LPF: -0.09354

Increment 95

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
1	0	-6	3.444e-03	6	-1				

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
	1		5.266e-06						
	2		9.538e-12						
	3		4.180e-16						
total	sum	used	final		final		final		final
1	4	-6	4.180e-16	6	-1.0000	9	-0.7174	3	-0.7174

- final LPF: -0.09005

Increment 96

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
1	0	-6	3.406e-03	6	-1				

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
	1		5.378e-06						

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
	2		1.060e-11						
	3		3.056e-16						
total	sum	used	final		final		final		final
1	4	-6	3.056e-16	6	-1.0000	3	-0.8089	9	-0.8089

- final LPF: -0.08473

Increment 97

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
1	0	-6	3.362e-03	6	-1				

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
	1		5.648e-06						
	2		1.272e-11						
	3		6.016e-16						
total	sum	used	final		final		final		final
1	4	-6	6.016e-16	6	-1.0000	9	-0.9009	3	-0.9009

- final LPF: -0.0777

Increment 98

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
1	0	-6	3.322e-03	6	-1				

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
	1		6.128e-06						
	2		1.658e-11						
	3		4.340e-16						
total	sum	used	final		final		final		final
1	4	-6	4.340e-16	6	-1.0000	3	-0.9939	9	-0.9939

- final LPF: -0.06915

Increment 99

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
1	0	-6	3.297e-03	9	-1				

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
	1		7.456e-06						
	2		4.350e-11						
	3		2.360e-16						
total	sum	used	final		final		final		final
1	4	-9	2.360e-16	9	-1.0000	3	-1.0000	6	-0.9217

- final LPF: -0.06003

Increment 100

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
1	0	-9	2.591e-03	9	-1				

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
	1		5.171e-06						
	2		1.947e-11						
	3		4.521e-16						
total	sum	used	final		final		final		final
1	4	-9	4.521e-16	3	-1.0000	9	-1.0000	6	-0.8537

- final LPF: -0.05063

Increment 101

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
1	0	-3	2.272e-03	9	-1				

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
	1		3.889e-06						
	2		1.049e-11						
	3		3.324e-16						
total	sum	used	final		final		final		final
1	4	-9	3.324e-16	9	-1.0000	3	-1.0000	6	-0.7970

- final LPF: -0.04112

Increment 102

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
1	0	-9	2.047e-03	3	-1				

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
	1		3.134e-06						
	2		6.617e-12						
	3		4.667e-16						
total	sum	used	final		final		final		final
1	4	-3	4.667e-16	3	-1.0000	9	-1.0000	6	-0.7481

- final LPF: -0.0316

Increment 103

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
1	0	-3	1.891e-03	3	-1				

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
	1		2.683e-06						
	2		4.779e-12						
	3		3.829e-16						
total	sum	used	final		final		final		final
1	4	-3	3.829e-16	3	-1.0000	9	-1.0000	6	-0.7047

- final LPF: -0.02215

Increment 104

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
1	0	-3	1.789e-03	9	-1				

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
	1		2.427e-06						

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
	2		3.893e-12						
	3		5.455e-16						
total	sum	used	final		final		final		final
1	4	-9	5.455e-16	9	-1.0000	3	-1.0000	6	-0.6651

- final LPF: -0.01287

Increment 105

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
1	0	-9	1.729e-03	9	-1				

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
	1		2.307e-06						
	2		3.536e-12						
	3		7.345e-16						
total	sum	used	final		final		final		final
1	4	-9	7.345e-16	9	-1.0000	3	-1.0000	6	-0.6281

- final LPF: -0.003818

Increment 106

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
1	0	-9	1.706e-03	3	-1				

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
	1		2.298e-06						
	2		3.554e-12						
	3		4.873e-16						
total	sum	used	final		final		final		final
1	4	-3	4.873e-16	9	-1.0000	3	-1.0000	6	-0.5923

- final LPF: 0.004925

Increment 107

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
1	0	-9	1.716e-03	9	-1				

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
	1		2.393e-06						
	2		3.931e-12						
	3		5.369e-16						
total	sum	used	final		final		final		final
1	4	-9	5.369e-16	9	-1.0000	3	-1.0000	6	-0.5568

- final LPF: 0.01327

Increment 108

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
1	0	-9	1.755e-03	9	-1				

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
	1		2.600e-06						
	2		4.770e-12						
	3		4.414e-16						
total	sum	used	final		final		final		final
1	4	-9	4.414e-16	3	-1.0000	9	-1.0000	6	-0.5205

- final LPF: 0.02112

Increment 109

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
1	0	-3	1.823e-03	9	-1				

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
	1		2.947e-06						
	2		6.340e-12						
	3		6.011e-16						
total	sum	used	final		final		final		final
1	4	-9	6.011e-16	3	-1.0000	9	-1.0000	6	-0.4821

- final LPF: 0.02833

Increment 110

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
1	0	-3	1.924e-03	9	-1				

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
	1		3.480e-06						
	2		9.222e-12						
	3		3.180e-16						
total	sum	used	final		final		final		final
1	4	-9	3.180e-16	9	-1.0000	3	-1.0000	6	-0.4405

- final LPF: 0.03477

Increment 111

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
1	0	-9	2.059e-03	3	-1				

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
	1		4.282e-06						
	2		1.467e-11						
	3		4.507e-16						
total	sum	used	final		final		final		final
1	4	-3	4.507e-16	3	-1.0000	9	-1.0000	6	-0.3939

- final LPF: 0.04023

Increment 112

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
1	0	-3	2.237e-03	9	-1				

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
	1		5.481e-06						

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
	2		2.550e-11						
	3		9.660e-16						
total	sum	used	final		final		final		final
1	4	-9	9.660e-16	3	-1.0000	9	-1.0000	1	-0.3425

- final LPF: 0.04445

Increment 113

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
1	0	-3	2.466e-03	9	-1				

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
	1		7.287e-06						
	2		4.822e-11						
	3		9.844e-16						
total	sum	used	final		final		final		final
1	4	-9	9.844e-16	3	-1.0000	9	-1.0000	1	-0.4295

- final LPF: 0.04713

Increment 114

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
1	0	-3	2.756e-03	3	-1				

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
	1		1.002e-05						
	2		9.842e-11						
	3		2.902e-16						
total	sum	used	final		final		final		final
1	4	-3	2.902e-16	9	-1.0000	3	-1.0000	7	0.5276

- final LPF: 0.04785

Increment 115

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
1	0	-9	3.115e-03	9	-1				

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
	1		1.415e-05						
	2		2.131e-10						
	3		6.857e-16						
total	sum	used	final		final		final		final
1	4	-9	6.857e-16	9	-1.0000	3	-1.0000	1	-0.6391

- final LPF: 0.0461

Increment 116

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
1	0	-9	3.537e-03	9	-1				

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
	1		2.019e-05						
	2		4.725e-10						
	3		2.557e-16						
total	sum	used	final		final		final		final
1	4	-9	2.557e-16	9	-1.0000	3	-1.0000	7	0.7659

- final LPF: 0.04128

Increment 117

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
1	0	-9	3.987e-03	3	-1				

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
	1		2.825e-05						
	2		9.991e-10						
	3		2.820e-16						
total	sum	used	final		final		final		final
1	4	-3	2.820e-16	9	-1.0000	3	-1.0000	1	-0.9078

- final LPF: 0.03271

Increment 118

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
1	0	-9	4.361e-03	9	-1				

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
	1		3.642e-05						
	2		1.754e-09						
	3		4.800e-16						
total	sum	used	final		final		final		final
1	4	-9	4.800e-16	7	1.0585	1	-1.0585	9	-1.0000

- recycling increment

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
	1		4.508e-03						
	2		1.336e-05						
	3		5.081e-11						
	4		9.225e-16						
total	sum	used	final		final		final		final
2	4	7	9.225e-16	7	1.0000	1	-1.0000	9	-0.9482

- final LPF: 0.02062

Increment 119

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
1	0	7	3.567e-03	7	1				

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
	1		7.540e-06						
	2		1.709e-11						
	3		3.841e-16						
total	sum	used	final		final		final		final
1	4	7	3.841e-16	7	1.0000	1	-1.0000	3	-0.8462

- final LPF: 0.006556

Increment 120

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
1	0	7	2.824e-03	7	1				

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
	1		5.180e-06						
	2		1.372e-11						
	3		2.999e-16						
total	sum	used	final		final		final		final
1	4	7	2.999e-16	7	1.0000	1	-1.0000	9	-0.7896

- final LPF: -0.008773

Increment 121

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
1	0	7	2.290e-03	7	1				

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
	1		4.520e-06						
	2		1.614e-11						
	3		6.960e-16						
total	sum	used	final		final		final		final
1	4	7	6.960e-16	1	-1.0000	7	1.0000	9	-0.7740

- final LPF: -0.02463

Increment 122

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
1	0	-1	2.153e-03	7	1				

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
	1		3.941e-06						
	2		1.577e-11						
	3		2.323e-16						

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
total	sum	used	final		final		final		final
1	4	7	2.323e-16	7	1.0000	1	-1.0000	9	-0.8020

- final LPF: -0.04016

Increment 123

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
1	0	7	2.700e-03	7	1				

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
	1		5.584e-06						
	2		6.267e-12						
	3		3.311e-16						
total	sum	used	final		final		final		final
1	4	7	3.311e-16	7	1.0000	1	-1.0000	9	-0.8852

- final LPF: -0.0542

Increment 124

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
1	0	7	4.066e-03	7	1				

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
	1		2.167e-05						
	2		1.407e-11						
	3		1.576e-16						
total	sum	used	final		final		final		final
1	4	7	1.576e-16	9	-1.0479	3	-1.0479	7	1.0000

- recycling increment

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
	1		4.521e-03						
	2		1.845e-05						
	3		2.923e-11						

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
	4		5.666e-16						
total	sum	used	final		final		final		final
2	4	-9	5.666e-16	9	-1.0000	3	-1.0000	7	0.9587

- final LPF: -0.06458

Increment 125

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
1	0	-9	4.717e-03	9	-1				

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
	1		2.073e-05						
	2		1.674e-11						
	3		8.567e-16						
total	sum	used	final		final		final		final
1	4	-9	8.567e-16	3	-1.0000	9	-1.0000	1	-0.7816

- final LPF: -0.06885

Increment 126

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
1	0	-3	4.504e-03	3	-1				

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
	1		1.724e-05						
	2		1.823e-11						
	3		4.958e-16						
total	sum	used	final		final		final		final
1	4	-3	4.958e-16	9	-1.0000	3	-1.0000	7	0.6346

- final LPF: -0.06761

Increment 127

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
1	0	-9	4.114e-03	9	-1				

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
	1		1.197e-05						
	2		1.393e-11						
	3		4.808e-16						
total	sum	used	final		final		final		final
1	4	-9	4.808e-16	3	-1.0000	9	-1.0000	1	-0.5209

- final LPF: -0.06164

Increment 128

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
1	0	-3	3.690e-03	9	-1				

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
	1		7.484e-06						
	2		5.395e-12						
	3		4.985e-16						
total	sum	used	final		final		final		final
1	4	-9	4.985e-16	9	-1.0000	3	-1.0000	7	0.4343

- final LPF: -0.05164

Increment 129

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
1	0	-9	3.300e-03	3	-1				

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
	1		4.431e-06						
	2		1.199e-12						
	3		2.493e-16						
total	sum	used	final		final		final		final
1	4	-3	2.493e-16	9	-1.0000	3	-1.0000	1	-0.3675

- final LPF: -0.03819

Increment 130

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
1	0	-9	2.961e-03	3	-1				

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
	1		2.581e-06						
	2		2.444e-13						
	3		2.556e-16						
total	sum	used	final		final		final		final
1	4	-3	2.556e-16	3	-1.0000	9	-1.0000	10	0.3295

- final LPF: -0.02171

Increment 131

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
1	0	-3	2.673e-03	9	-1				

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
	1		1.529e-06						
	2		7.492e-14						
	3		4.503e-16						
total	sum	used	final		final		final		final
1	4	-9	4.503e-16	3	-1.0000	9	-1.0000	10	0.3827

- final LPF: -0.002576

Increment 132

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
1	0	-3	2.429e-03	9	-1				

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
	1		9.442e-07						

Cycle	NR-It.	Control	Norm(g)	i(1)	Value	i(2)	Value	i(3)	Value
	2		4.621e-14						
	3		4.785e-16						
total	sum	used	final		final		final		final
1	4	-9	4.785e-16	9	-1.0000	3	-1.0000	10	0.4302

- final LPF: 0.01893

Create result object from analysis results for step 1

```
write result   1/132 (LPF:    0.01945)
write result   2/132 (LPF:    0.03628)
write result   3/132 (LPF:    0.05013)
write result   4/132 (LPF:    0.06059)
write result   5/132 (LPF:     0.0671)
write result   6/132 (LPF:    0.06898)
write result   7/132 (LPF:    0.06544)
write result   8/132 (LPF:    0.05584)
write result   9/132 (LPF:    0.04211)
write result  10/132 (LPF:     0.0267)
write result  11/132 (LPF:    0.01083)
write result  12/132 (LPF:  -0.004609)
write result  13/132 (LPF:   -0.01888)
write result  14/132 (LPF:   -0.03127)
write result  15/132 (LPF:   -0.04038)
write result  16/132 (LPF:   -0.04566)
write result  17/132 (LPF:   -0.04777)
write result  18/132 (LPF:   -0.04734)
write result  19/132 (LPF:    -0.0449)
write result  20/132 (LPF:   -0.04086)
write result  21/132 (LPF:   -0.03555)
write result  22/132 (LPF:   -0.02923)
write result  23/132 (LPF:    -0.0221)
write result  24/132 (LPF:   -0.01433)
write result  25/132 (LPF:  -0.006048)
write result  26/132 (LPF:   0.002648)
write result  27/132 (LPF:    0.01166)
write result  28/132 (LPF:    0.02092)
write result  29/132 (LPF:    0.03035)
write result  30/132 (LPF:    0.03987)
write result  31/132 (LPF:    0.04939)
write result  32/132 (LPF:     0.0588)
write result  33/132 (LPF:    0.06797)
write result  34/132 (LPF:    0.07666)
write result  35/132 (LPF:    0.08389)
write result  36/132 (LPF:    0.08946)
write result  37/132 (LPF:    0.09319)
write result  38/132 (LPF:    0.09496)
write result  39/132 (LPF:    0.09463)
write result  40/132 (LPF:     0.0921)
write result  41/132 (LPF:    0.08728)
write result  42/132 (LPF:    0.08014)
write result  43/132 (LPF:    0.07067)
write result  44/132 (LPF:     0.0589)
```

```
write result  45/132 (LPF:    0.04491)
write result  46/132 (LPF:    0.02882)
write result  47/132 (LPF:    0.01077)
write result  48/132 (LPF:   -0.00907)
write result  49/132 (LPF:   -0.03049)
write result  50/132 (LPF:   -0.05329)
write result  51/132 (LPF:   -0.07256)
write result  52/132 (LPF:   -0.08633)
write result  53/132 (LPF:   -0.09556)
write result  54/132 (LPF:    -0.1009)
write result  55/132 (LPF:    -0.1027)
write result  56/132 (LPF:    -0.1016)
write result  57/132 (LPF:   -0.09768)
write result  58/132 (LPF:   -0.09149)
write result  59/132 (LPF:   -0.08329)
write result  60/132 (LPF:    -0.0734)
write result  61/132 (LPF:   -0.06211)
write result  62/132 (LPF:   -0.04969)
write result  63/132 (LPF:    -0.0364)
write result  64/132 (LPF:    -0.0225)
write result  65/132 (LPF:  -0.008218)
write result  66/132 (LPF:   0.006194)
write result  67/132 (LPF:     0.0205)
write result  68/132 (LPF:    0.03448)
write result  69/132 (LPF:    0.04786)
write result  70/132 (LPF:    0.06042)
write result  71/132 (LPF:    0.07189)
write result  72/132 (LPF:    0.08199)
write result  73/132 (LPF:    0.09045)
write result  74/132 (LPF:    0.09694)
write result  75/132 (LPF:     0.1012)
write result  76/132 (LPF:     0.1027)
write result  77/132 (LPF:     0.1013)
write result  78/132 (LPF:    0.09653)
write result  79/132 (LPF:    0.08788)
write result  80/132 (LPF:     0.0748)
write result  81/132 (LPF:    0.05639)
write result  82/132 (LPF:    0.03342)
write result  83/132 (LPF:     0.0118)
write result  84/132 (LPF:  -0.008252)
write result  85/132 (LPF:   -0.02655)
write result  86/132 (LPF:   -0.04291)
write result  87/132 (LPF:   -0.05718)
write result  88/132 (LPF:   -0.06925)
write result  89/132 (LPF:   -0.07902)
write result  90/132 (LPF:   -0.08647)
```

```
write result  91/132 (LPF:   -0.09159)
write result  92/132 (LPF:   -0.09443)
write result  93/132 (LPF:   -0.09504)
write result  94/132 (LPF:   -0.09354)
write result  95/132 (LPF:   -0.09005)
write result  96/132 (LPF:   -0.08473)
write result  97/132 (LPF:    -0.0777)
write result  98/132 (LPF:   -0.06915)
write result  99/132 (LPF:   -0.06003)
write result 100/132 (LPF:   -0.05063)
write result 101/132 (LPF:   -0.04112)
write result 102/132 (LPF:    -0.0316)
write result 103/132 (LPF:   -0.02215)
write result 104/132 (LPF:   -0.01287)
write result 105/132 (LPF:  -0.003818)
write result 106/132 (LPF:   0.004925)
write result 107/132 (LPF:    0.01327)
write result 108/132 (LPF:    0.02112)
write result 109/132 (LPF:    0.02833)
write result 110/132 (LPF:    0.03477)
write result 111/132 (LPF:    0.04023)
write result 112/132 (LPF:    0.04445)
write result 113/132 (LPF:    0.04713)
write result 114/132 (LPF:    0.04785)
write result 115/132 (LPF:     0.0461)
write result 116/132 (LPF:    0.04128)
write result 117/132 (LPF:    0.03271)
write result 118/132 (LPF:    0.02062)
write result 119/132 (LPF:   0.006556)
write result 120/132 (LPF:  -0.008773)
write result 121/132 (LPF:   -0.02463)
write result 122/132 (LPF:   -0.04016)
write result 123/132 (LPF:    -0.0542)
write result 124/132 (LPF:   -0.06458)
write result 125/132 (LPF:   -0.06885)
write result 126/132 (LPF:   -0.06761)
write result 127/132 (LPF:   -0.06164)
write result 128/132 (LPF:   -0.05164)
write result 129/132 (LPF:   -0.03819)
write result 130/132 (LPF:   -0.02171)
write result 131/132 (LPF:  -0.002576)
write result 132/132 (LPF:    0.01893)
```

End of Step 1

Job duration

Time measurement for execution times of “Model.build()” and “Model.run()”.

```
total  cpu time "build":      0.001 seconds
total wall time "build":      0.000 seconds

total  cpu time "run":        4.211 seconds
total wall time "run":        4.141 seconds
```