

Initial Parameters...

R(load) = 500 ohms

r = 1.00

w = 0.50

-----

INITIAL Particle 1 ::	pos(duty)=	0.42283562	fitness(Output Power)=	11.38361871
INITIAL Particle 2 ::	pos(duty)=	0.54787090	fitness(Output Power)=	18.62429944
INITIAL Particle 3 ::	pos(duty)=	0.94273698	fitness(Output Power)=	48.66797866

=====

+++++++Start of Iterations+++++++

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Iteration No: 1

c1 = 0.41774410      c2 = 0.98305247

velocity =

0.5111

0.3882

0

Particle 1 ::	pos(duty)=	0.93392594	fitness(Output Power)=	64.79860234
Particle 2 ::	pos(duty)=	0.93604498	fitness(Output Power)=	60.71161790
Particle 3 ::	pos(duty)=	0.94273698	fitness(Output Power)=	48.66797866

Updated best Fitness Position = 0.93392594

-----

Iteration No: 2

c1 = 0.30145495      c2 = 0.70109876

velocity =

0.2555

0.1926

-0.0062

Particle 1 ::	pos(duty)=	0.95000000	fitness(Output Power)=	37.11431295
Particle 2 ::	pos(duty)=	0.95000000	fitness(Output Power)=	37.11431295
Particle 3 ::	pos(duty)=	0.93655957	fitness(Output Power)=	59.73072029

Updated best Fitness Position = 0.93392594

-----

Iteration No: 3

c1 = 0.66633885      c2 = 0.53912647

velocity =

0.1084

0.0783

-0.0045

```
Particle 1 :: pos(duty)= 0.95000000 fitness(Output Power)= 37.11431295
Particle 2 :: pos(duty)= 0.95000000 fitness(Output Power)= 37.11431295
Particle 3 :: pos(duty)= 0.93205100 fitness(Output Power)= 68.55847153
```

Updated best Fitness Position = 0.93205100

-----

Iteration No: 4

c1 = 0.69810552 c2 = 0.66652791

velocity =

0.0310  
0.0175  
-0.0023

```
Particle 1 :: pos(duty)= 0.98101303 fitness(Output Power)= 5.34099878
Particle 2 :: pos(duty)= 0.96746240 fitness(Output Power)= 15.69598509
Particle 3 :: pos(duty)= 0.92979672 fitness(Output Power)= 73.13543267
```

Updated best Fitness Position = 0.92979672

-----

Iteration No: 5

c1 = 0.17813245 c2 = 0.12801440

velocity =

0.0006  
-0.0017  
-0.0011

```
Particle 1 :: pos(duty)= 0.98157538 fitness(Output Power)= 5.01399893
Particle 2 :: pos(duty)= 0.96577539 fitness(Output Power)= 17.38548059
Particle 3 :: pos(duty)= 0.92866958 fitness(Output Power)= 75.53273639
```

Updated best Fitness Position = 0.92866958

-----

Iteration No: 6

c1 = 0.99908039 c2 = 0.17112107

velocity =

-0.0564  
-0.0369  
-0.0006

```
Particle 1 :: pos(duty)= 0.92519763 fitness(Output Power)= 83.05059809
Particle 2 :: pos(duty)= 0.92887923 fitness(Output Power)= 75.09687200
Particle 3 :: pos(duty)= 0.92810601 fitness(Output Power)= 76.73134101
```

Updated best Fitness Position = 0.92519763

-----

Iteration No: 7

c1 = 0.03260082 c2 = 0.56119979

velocity =

-0.0282

-0.0205

-0.0019

Particle 1 :: pos(duty)= 0.89700876 fitness(Output Power)= 155.20262359

Particle 2 :: pos(duty)= 0.90836504 fitness(Output Power)= 124.39685893

Particle 3 :: pos(duty)= 0.92619204 fitness(Output Power)= 80.87168493

Updated best Fitness Position = 0.89700876

-----

Iteration No: 8

c1 = 0.88186650 c2 = 0.66917530

velocity =

-0.0141

-0.0179

-0.0205

Particle 1 :: pos(duty)= 0.88291433 fitness(Output Power)= 179.67486688

Particle 2 :: pos(duty)= 0.89050860 fitness(Output Power)= 170.41020011

Particle 3 :: pos(duty)= 0.90570633 fitness(Output Power)= 131.55888580

Updated best Fitness Position = 0.88291433

-----

Iteration No: 9

c1 = 0.19043327 c2 = 0.36891655

velocity =

-0.0070

-0.0117

-0.0187

Particle 1 :: pos(duty)= 0.87586711 fitness(Output Power)= 178.57632475

Particle 2 :: pos(duty)= 0.87877873 fitness(Output Power)= 179.98211972

Particle 3 :: pos(duty)= 0.88705513 fitness(Output Power)= 176.02189553

Updated best Fitness Position = 0.87877873

-----

Iteration No: 10

c1 = 0.46072594 c2 = 0.98163795

velocity =

0.0026

-0.0059

-0.0175

Particle 1 :: pos(duty)= 0.87844850 fitness(Output Power)= 179.88138424

Particle 2 :: pos(duty)= 0.87291380 fitness(Output Power)= 176.15621678

Particle 3 :: pos(duty)= 0.86960510 fitness(Output Power)= 172.61550491

Updated best Fitness Position = 0.87877873

-----

Iteration No: 11

c1 = 0.15640495 c2 = 0.85552281

velocity =

0.0016

0.0030

0.0019

Particle 1 :: pos(duty)= 0.88002172 fitness(Output Power)= 180.20307316

Particle 2 :: pos(duty)= 0.87591622 fitness(Output Power)= 178.60535123

Particle 3 :: pos(duty)= 0.87145761 fitness(Output Power)= 174.67785864

Updated best Fitness Position = 0.88002172

-----

Iteration No: 12

c1 = 0.64476454 c2 = 0.37627221

velocity =

0.0008

0.0049

0.0142

Particle 1 :: pos(duty)= 0.88080833 fitness(Output Power)= 180.20952570

Particle 2 :: pos(duty)= 0.88080786 fitness(Output Power)= 180.20952570

Particle 3 :: pos(duty)= 0.88566302 fitness(Output Power)= 177.64618809

Updated best Fitness Position = 0.88080833

-----

Iteration No: 13

c1 = 0.19092370 c2 = 0.42825299

velocity =

0.0004  
0.0024  
0.0050

Particle 1 ::	pos(duty)=	0.88120163	fitness(Output Power)=	180.17205628
Particle 2 ::	pos(duty)=	0.88325388	fitness(Output Power)=	179.50544617
Particle 3 ::	pos(duty)=	0.89068669	fitness(Output Power)=	170.03977348

Updated best Fitness Position = 0.88080833

-----

Iteration No: 14

c1 = 0.48202206 c2 = 0.12061161

velocity =

-0.0000  
-0.0003  
-0.0011

Particle 1 ::	pos(duty)=	0.88116126	fitness(Output Power)=	180.17617297
Particle 2 ::	pos(duty)=	0.88300289	fitness(Output Power)=	179.63445042
Particle 3 ::	pos(duty)=	0.88958556	fitness(Output Power)=	172.12369317

Updated best Fitness Position = 0.88080833

-----

Iteration No: 15

c1 = 0.58950748 c2 = 0.22618768

velocity =

-0.0003  
-0.0019  
-0.0048

Particle 1 ::	pos(duty)=	0.88085319	fitness(Output Power)=	180.20740922
Particle 2 ::	pos(duty)=	0.88108703	fitness(Output Power)=	180.18744860
Particle 3 ::	pos(duty)=	0.88473733	fitness(Output Power)=	178.50511155

Updated best Fitness Position = 0.88080833

-----

Iteration No: 16

c1 = 0.38461912 c2 = 0.58298638

velocity =

-0.0002  
-0.0012  
-0.0047

```
Particle 1 :: pos(duty)= 0.88065574 fitness(Output Power)= 180.21730934
Particle 2 :: pos(duty)= 0.87985924 fitness(Output Power)= 180.18739780
Particle 3 :: pos(duty)= 0.88002266 fitness(Output Power)= 180.20307316
```

Updated best Fitness Position = 0.88065574

-----

Iteration No: 17

c1 = 0.25180612 c2 = 0.29044066

velocity =

```
-0.0001
-0.0001
-0.0022
```

```
Particle 1 :: pos(duty)= 0.88055702 fitness(Output Power)= 180.21971674
Particle 2 :: pos(duty)= 0.87971555 fitness(Output Power)= 180.17115987
Particle 3 :: pos(duty)= 0.87784919 fitness(Output Power)= 179.65472229
```

Updated best Fitness Position = 0.88055702

-----

Iteration No: 18

c1 = 0.61709088 c2 = 0.26528091

velocity =

```
1.0e-03 *
-0.0494
0.8254
0.9728
```

```
Particle 1 :: pos(duty)= 0.88050766 fitness(Output Power)= 180.22013808
Particle 2 :: pos(duty)= 0.88054099 fitness(Output Power)= 180.21971674
Particle 3 :: pos(duty)= 0.87882202 fitness(Output Power)= 179.99215899
```

Updated best Fitness Position = 0.88050766

-----

Iteration No: 19

c1 = 0.82437627 c2 = 0.98266340

velocity =

```
-0.0000
0.0004
0.0031
```

```
Particle 1 :: pos(duty)= 0.88048297 fitness(Output Power)= 180.22036773
```

```
Particle 2 :: pos(duty)= 0.88092095 fitness(Output Power)= 180.20262175
Particle 3 :: pos(duty)= 0.88195462 fitness(Output Power)= 180.02125983
```

```
Updated best Fitness Position = 0.88048297
```

```
-----
```

```
Iteration No: 20
```

```
c1 = 0.73024879 c2 = 0.34387700
```

```
velocity =
```

```
1.0e-03 *
```

```
-0.0123
```

```
-0.2381
```

```
-0.3506
```

```
Particle 1 :: pos(duty)= 0.88047063 fitness(Output Power)= 180.22040503
Particle 2 :: pos(duty)= 0.88068285 fitness(Output Power)= 180.21612797
Particle 3 :: pos(duty)= 0.88160404 fitness(Output Power)= 180.10256456
```

```
Updated best Fitness Position = 0.88047063
```

```
-----
```

```
Iteration No: 21
```

```
c1 = 0.58406933 c2 = 0.10776902
```

```
velocity =
```

```
-0.0000
```

```
-0.0002
```

```
-0.0012
```

```
Particle 1 :: pos(duty)= 0.88046446 fitness(Output Power)= 180.22040503
Particle 2 :: pos(duty)= 0.88045808 fitness(Output Power)= 180.22040503
Particle 3 :: pos(duty)= 0.88038297 fitness(Output Power)= 180.21989981
```

```
Updated best Fitness Position = 0.88046446
```

```
-----
```

```
Iteration No: 22
```

```
c1 = 0.90630815 c2 = 0.87965372
```

```
velocity =
```

```
1.0e-03 *
```

```
-0.0031
```

```
-0.1068
```

```
-0.5388
```

```
Particle 1 :: pos(duty)= 0.88046138 fitness(Output Power)= 180.22040503
```

```
Particle 2 :: pos(duty)= 0.88035131 fitness(Output Power)= 180.21935595
Particle 3 :: pos(duty)= 0.87984412 fitness(Output Power)= 180.18739780
```

```
Updated best Fitness Position = 0.88046138
```

```
-----
```

```
Iteration No: 23
```

```
c1 = 0.81776056 c2 = 0.26072800
```

```
velocity =
```

```
1.0e-03 *
```

```
-0.0015
```

```
0.0626
```

```
0.3322
```

```
Particle 1 :: pos(duty)= 0.88045984 fitness(Output Power)= 180.22040503
Particle 2 :: pos(duty)= 0.88041393 fitness(Output Power)= 180.22024928
Particle 3 :: pos(duty)= 0.88017628 fitness(Output Power)= 180.21369650
```

```
Updated best Fitness Position = 0.88045984
```

```
-----
```

```
Iteration No: 24
```

```
c1 = 0.59435625 c2 = 0.02251259
```

```
velocity =
```

```
1.0e-03 *
```

```
-0.0008
```

```
0.0586
```

```
0.2953
```

```
Particle 1 :: pos(duty)= 0.88045906 fitness(Output Power)= 180.22040503
Particle 2 :: pos(duty)= 0.88047252 fitness(Output Power)= 180.22040503
Particle 3 :: pos(duty)= 0.88047159 fitness(Output Power)= 180.22040503
```

```
Updated best Fitness Position = 0.88045906
```

```
-----
```

```
Iteration No: 25
```

```
c1 = 0.42525932 c2 = 0.31271889
```

```
velocity =
```

```
1.0e-03 *
```

```
-0.0004
```

```
0.0251
```

```
0.1437
```



```
Particle 1 :: pos(duty)= 0.88045868 fitness(Output Power)= 180.22040503
Particle 2 :: pos(duty)= 0.88049760 fitness(Output Power)= 180.22036773
Particle 3 :: pos(duty)= 0.88061533 fitness(Output Power)= 180.21830170
```

Updated best Fitness Position = 0.88045868

-----

Iteration No: 26

c1 = 0.16148474 c2 = 0.17876619

velocity =

1.0e-04 \*

-0.0019

0.0153

0.2065

```
Particle 1 :: pos(duty)= 0.88045849 fitness(Output Power)= 180.22040503
Particle 2 :: pos(duty)= 0.88049913 fitness(Output Power)= 180.22036773
Particle 3 :: pos(duty)= 0.88063598 fitness(Output Power)= 180.21830170
```

Updated best Fitness Position = 0.88045849

-----

Iteration No: 27

c1 = 0.42288569 c2 = 0.09422934

velocity =

1.0e-04 \*

-0.0010

-0.1432

-0.7592

```
Particle 1 :: pos(duty)= 0.88045839 fitness(Output Power)= 180.22040503
Particle 2 :: pos(duty)= 0.88048481 fitness(Output Power)= 180.22036773
Particle 3 :: pos(duty)= 0.88056006 fitness(Output Power)= 180.21971674
```

Updated best Fitness Position = 0.88045839

-----

Iteration No: 28

c1 = 0.59852367 c2 = 0.47092426

velocity =

1.0e-03 \*

-0.0000

-0.0270  
-0.1388

Particle 1 ::	pos(duty)=	0.88045834	fitness(Output Power)=	180.22040503
Particle 2 ::	pos(duty)=	0.88045785	fitness(Output Power)=	180.22040503
Particle 3 ::	pos(duty)=	0.88042127	fitness(Output Power)=	180.22024928

Updated best Fitness Position = 0.88045834

-----

Iteration No: 29

c1 = 0.69594931 c2 = 0.69988785

velocity =

1.0e-04 \*

-0.0002  
-0.1314  
-0.0843

Particle 1 ::	pos(duty)=	0.88045832	fitness(Output Power)=	180.22040503
Particle 2 ::	pos(duty)=	0.88044471	fitness(Output Power)=	180.22040503
Particle 3 ::	pos(duty)=	0.88041284	fitness(Output Power)=	180.22024928

Updated best Fitness Position = 0.88045832

-----

Iteration No: 30

c1 = 0.63853076 c2 = 0.03360384

velocity =

1.0e-04 \*

-0.0001  
-0.0611  
0.3483

Particle 1 ::	pos(duty)=	0.88045831	fitness(Output Power)=	180.22040503
Particle 2 ::	pos(duty)=	0.88043860	fitness(Output Power)=	180.22024928
Particle 3 ::	pos(duty)=	0.88044767	fitness(Output Power)=	180.22040503

Updated best Fitness Position = 0.88045831

-----

Iteration No: 31

c1 = 0.06880610 c2 = 0.31959974

velocity =

1.0e-04 \*

```
-0.0001
0.0366
0.2081
```

```
Particle 1 :: pos(duty)= 0.88045830 fitness(Output Power)= 180.22040503
Particle 2 :: pos(duty)= 0.88044226 fitness(Output Power)= 180.22040503
Particle 3 :: pos(duty)= 0.88046848 fitness(Output Power)= 180.22040503
```

```
Updated best Fitness Position = 0.88045830
```

```
-----
```

```
Iteration No: 32
```

```
c1 = 0.53086428 c2 = 0.65444571
```

```
velocity =
```

```
1.0e-04 *
```

```
-0.0000
0.1233
0.0374
```

```
Particle 1 :: pos(duty)= 0.88045830 fitness(Output Power)= 180.22040503
Particle 2 :: pos(duty)= 0.88045459 fitness(Output Power)= 180.22040503
Particle 3 :: pos(duty)= 0.88047222 fitness(Output Power)= 180.22040503
```

```
Updated best Fitness Position = 0.88045830
```

```
-----
```

```
Iteration No: 33
```

```
c1 = 0.40761920 c2 = 0.81998122
```

```
velocity =
```

```
1.0e-05 *
```

```
-0.0002
0.9204
-0.9548
```

```
Particle 1 :: pos(duty)= 0.88045829 fitness(Output Power)= 180.22040503
Particle 2 :: pos(duty)= 0.88046379 fitness(Output Power)= 180.22040503
Particle 3 :: pos(duty)= 0.88046268 fitness(Output Power)= 180.22040503
```

```
Updated best Fitness Position = 0.88045829
```

```
-----
```

```
Iteration No: 34
```

```
c1 = 0.71835894 c2 = 0.96864933
```

```
velocity =
```

1.0e-05 \*

-0.0001

-0.0723

-0.9018

Particle 1 :: pos(duty)= 0.88045829 fitness(Output Power)= 180.22040503

Particle 2 :: pos(duty)= 0.88046307 fitness(Output Power)= 180.22040503

Particle 3 :: pos(duty)= 0.88045366 fitness(Output Power)= 180.22040503

Updated best Fitness Position = 0.88045829

-----

Iteration No: 35

c1 = 0.53133391 c2 = 0.32514568

velocity =

1.0e-05 \*

-0.0000

-0.1914

-0.3002

Particle 1 :: pos(duty)= 0.88045829 fitness(Output Power)= 180.22040503

Particle 2 :: pos(duty)= 0.88046115 fitness(Output Power)= 180.22040503

Particle 3 :: pos(duty)= 0.88045066 fitness(Output Power)= 180.22040503

Updated best Fitness Position = 0.88045829

-----

Iteration No: 36

c1 = 0.10562920 c2 = 0.61095866

velocity =

1.0e-05 \*

-0.0000

-0.2705

0.3165

Particle 1 :: pos(duty)= 0.88045829 fitness(Output Power)= 180.22040503

Particle 2 :: pos(duty)= 0.88045845 fitness(Output Power)= 180.22040503

Particle 3 :: pos(duty)= 0.88045382 fitness(Output Power)= 180.22040503

Updated best Fitness Position = 0.88045829

-----

Iteration No: 37

```
c1 = 0.77880224    c2 = 0.42345292
velocity =
```

```
1.0e-05 *
```

```
-0.0000
-0.1419
0.3476
```

```
Particle 1 :: pos(duty)= 0.88045829    fitness(Output Power)= 180.22040503
Particle 2 :: pos(duty)= 0.88045703    fitness(Output Power)= 180.22040503
Particle 3 :: pos(duty)= 0.88045730    fitness(Output Power)= 180.22040503
```

```
Updated best Fitness Position = 0.88045829
```

```
-----
```

```
Iteration No: 38
```

```
c1 = 0.09082329    c2 = 0.26647149
velocity =
```

```
1.0e-05 *
```

```
-0.0000
-0.0373
0.2003
```

```
Particle 1 :: pos(duty)= 0.88045829    fitness(Output Power)= 180.22040503
Particle 2 :: pos(duty)= 0.88045666    fitness(Output Power)= 180.22040503
Particle 3 :: pos(duty)= 0.88045930    fitness(Output Power)= 180.22040503
```

```
Updated best Fitness Position = 0.88045829
```

```
-----
```

```
Iteration No: 39
```

```
c1 = 0.15365672    c2 = 0.28100530
velocity =
```

```
1.0e-06 *
```

```
-0.0000
0.2731
0.7184
```

```
Particle 1 :: pos(duty)= 0.88045829    fitness(Output Power)= 180.22040503
Particle 2 :: pos(duty)= 0.88045693    fitness(Output Power)= 180.22040503
Particle 3 :: pos(duty)= 0.88046002    fitness(Output Power)= 180.22040503
```

```
Updated best Fitness Position = 0.88045829
```

-----

Iteration No: 40

c1 = 0.44008514 c2 = 0.52714274

velocity =

1.0e-06 \*

-0.0000

0.8546

-0.5508

Particle 1 :: pos(duty)= 0.88045829 fitness(Output Power)= 180.22040503

Particle 2 :: pos(duty)= 0.88045779 fitness(Output Power)= 180.22040503

Particle 3 :: pos(duty)= 0.88045947 fitness(Output Power)= 180.22040503

Updated best Fitness Position = 0.88045829

-----

Iteration No: 41

c1 = 0.45742437 c2 = 0.87537160

velocity =

1.0e-05 \*

-0.0000

0.0872

-0.1304

Particle 1 :: pos(duty)= 0.88045829 fitness(Output Power)= 180.22040503

Particle 2 :: pos(duty)= 0.88045866 fitness(Output Power)= 180.22040503

Particle 3 :: pos(duty)= 0.88045816 fitness(Output Power)= 180.22040503

Updated best Fitness Position = 0.88045829

-----

Iteration No: 42

c1 = 0.51805211 c2 = 0.94362262

velocity =

1.0e-06 \*

-0.0000

0.0923

-0.5306

Particle 1 :: pos(duty)= 0.88045829 fitness(Output Power)= 180.22040503

Particle 2 :: pos(duty)= 0.88045875 fitness(Output Power)= 180.22040503

Particle 3 :: pos(duty)= 0.88045763 fitness(Output Power)= 180.22040503

Updated best Fitness Position = 0.88045829

-----

Iteration No: 43

c1 = 0.63770910 c2 = 0.95769394

velocity =

1.0e-06 \*

-0.0000

-0.3909

0.3663

Particle 1 :: pos(duty)= 0.88045829 fitness(Output Power)= 180.22040503

Particle 2 :: pos(duty)= 0.88045836 fitness(Output Power)= 180.22040503

Particle 3 :: pos(duty)= 0.88045800 fitness(Output Power)= 180.22040503

Updated best Fitness Position = 0.88045829

-----

Iteration No: 44

c1 = 0.24070704 c2 = 0.67612230

velocity =

1.0e-06 \*

-0.0000

-0.2397

0.3814

Particle 1 :: pos(duty)= 0.88045829 fitness(Output Power)= 180.22040503

Particle 2 :: pos(duty)= 0.88045812 fitness(Output Power)= 180.22040503

Particle 3 :: pos(duty)= 0.88045838 fitness(Output Power)= 180.22040503

Updated best Fitness Position = 0.88045829

-----

Iteration No: 45

c1 = 0.28906457 c2 = 0.67180817

velocity =

1.0e-06 \*

-0.0000

-0.0028

0.1314

Particle 1 :: pos(duty)= 0.88045829 fitness(Output Power)= 180.22040503

Particle 2 :: pos(duty)= 0.88045812 fitness(Output Power)= 180.22040503

Particle 3 :: pos(duty)= 0.88045851 fitness(Output Power)= 180.22040503

Updated best Fitness Position = 0.88045829

-----

Iteration No: 46

c1 = 0.69514050 c2 = 0.06799277

velocity =

1.0e-07 \*

-0.0000

0.1064

0.5079

Particle 1 :: pos(duty)= 0.88045829 fitness(Output Power)= 180.22040503

Particle 2 :: pos(duty)= 0.88045813 fitness(Output Power)= 180.22040503

Particle 3 :: pos(duty)= 0.88045856 fitness(Output Power)= 180.22040503

Updated best Fitness Position = 0.88045829

-----

Iteration No: 47

c1 = 0.25479016 c2 = 0.22404003

velocity =

1.0e-07 \*

-0.0000

0.4260

-0.3519

Particle 1 :: pos(duty)= 0.88045829 fitness(Output Power)= 180.22040503

Particle 2 :: pos(duty)= 0.88045817 fitness(Output Power)= 180.22040503

Particle 3 :: pos(duty)= 0.88045853 fitness(Output Power)= 180.22040503

Updated best Fitness Position = 0.88045829

-----

Iteration No: 48

c1 = 0.66783273 c2 = 0.84439216

velocity =

1.0e-06 \*

-0.0000

0.1258

-0.2162

Particle 1 :: pos(duty)= 0.88045829 fitness(Output Power)= 180.22040503

Particle 2 :: pos(duty)= 0.88045830 fitness(Output Power)= 180.22040503



```
Particle 3 :: pos(duty)= 0.88045831 fitness(Output Power)= 180.22040503
```

```
Updated best Fitness Position = 0.88045829
```

```
-----
```

```
Iteration No: 49
```

```
c1 = 0.34446241 c2 = 0.78051965
```

```
velocity =
```

```
1.0e-06 *
```

```
-0.0000
```

```
0.0613
```

```
-0.1230
```

```
Particle 1 :: pos(duty)= 0.88045829 fitness(Output Power)= 180.22040503
```

```
Particle 2 :: pos(duty)= 0.88045836 fitness(Output Power)= 180.22040503
```

```
Particle 3 :: pos(duty)= 0.88045819 fitness(Output Power)= 180.22040503
```

```
Updated best Fitness Position = 0.88045829
```

```
-----
```

```
Iteration No: 50
```

```
c1 = 0.67533207 c2 = 0.00671531
```

```
velocity =
```

```
1.0e-07 *
```

```
-0.0000
```

```
0.3024
```

```
-0.6078
```

```
Particle 1 :: pos(duty)= 0.88045829 fitness(Output Power)= 180.22040503
```

```
Particle 2 :: pos(duty)= 0.88045839 fitness(Output Power)= 180.22040503
```

```
Particle 3 :: pos(duty)= 0.88045813 fitness(Output Power)= 180.22040503
```

```
Updated best Fitness Position = 0.88045829
```

```
-----
```

```
>>
```