
Iteration# 1
W_W 3.727077e+01
W_HT 5.107802e+01
W_VT 9.373039e+01
W_FUS 1.155368e+03
W_MLG 2.345773e+02
W_NLG 5.770348e+01
W_IE 4.950887e+02
W_FS 6.335355e+01
W_FCS 6.447079e+01
W_HS 3.993000e+00
W_AS 5.668170e+02
W_ES 3.365572e+02
W_AC 2.716512e+02
W_W 3.727077e+01
F_W 1.673926e+02

Total Weight = 3.599052e+03
Deviation from last iteration = 3.939480e+02

Iteration# 2
W_W 3.540837e+01
W_HT 4.892806e+01
W_VT 9.014022e+01
W_FUS 1.025092e+03
W_MLG 2.165911e+02
W_NLG 5.440879e+01
W_IE 4.950887e+02
W_FS 6.335355e+01
W_FCS 5.819772e+01
W_HS 3.599052e+00
W_AS 5.668170e+02
W_ES 3.365572e+02
W_AC 2.573676e+02
W_W 3.540837e+01
F_W 1.444648e+02

Total Weight = 3.396014e+03
Deviation from last iteration = 2.030383e+02

Iteration# 3
W_W 3.440809e+01
W_HT 4.776585e+01
W_VT 8.819346e+01
W_FUS 9.593747e+02
W_MLG 2.071442e+02
W_NLG 5.264963e+01
W_IE 4.950887e+02
W_FS 6.335355e+01
W_FCS 5.496079e+01
W_HS 3.396014e+00

```
W_AS 5.668170e+02
W_ES 3.365572e+02
W_AC 2.497124e+02
W_W 3.440809e+01
F_W 1.326480e+02
```

```
Total Weight = 3.292070e+03
Deviation from last iteration = 1.039442e+02
-----
```

```
Iteration# 4
W_W 3.388427e+01
W_HT 4.715506e+01
W_VT 8.716863e+01
W_FUS 9.261255e+02
W_MLG 2.022574e+02
W_NLG 5.173138e+01
W_IE 4.950887e+02
W_FS 6.335355e+01
W_FCS 5.330258e+01
W_HS 3.292070e+00
W_AS 5.668170e+02
W_ES 3.365572e+02
W_AC 2.457084e+02
W_W 3.388427e+01
F_W 1.265985e+02
```

```
Total Weight = 3.239040e+03
Deviation from last iteration = 5.302946e+01
-----
```

```
Iteration# 5
W_W 3.361380e+01
W_HT 4.683909e+01
W_VT 8.663800e+01
W_FUS 9.092682e+02
W_MLG 1.997505e+02
W_NLG 5.125807e+01
W_IE 4.950887e+02
W_FS 6.335355e+01
W_FCS 5.245632e+01
W_HS 3.239040e+00
W_AS 5.668170e+02
W_ES 3.365572e+02
W_AC 2.436422e+02
W_W 3.361380e+01
F_W 1.235121e+02
```

```
Total Weight = 3.212034e+03
Deviation from last iteration = 2.700629e+01
-----
```

```
Iteration# 6
W_W 3.347519e+01
W_HT 4.667702e+01
```

```
W_VT 8.636568e+01
W_FUS 9.007111e+02
W_MLG 1.984702e+02
W_NLG 5.101574e+01
W_IE 4.950887e+02
W_FS 6.335355e+01
W_FCS 5.202527e+01
W_HS 3.212034e+00
W_AS 5.668170e+02
W_ES 3.365572e+02
W_AC 2.425838e+02
W_W 3.347519e+01
F_W 1.219404e+02
```

Total Weight = 3.198293e+03

Deviation from last iteration = 1.374107e+01

Iteration# 7

```
W_W 3.340444e+01
W_HT 4.659424e+01
W_VT 8.622658e+01
W_FUS 8.963644e+02
W_MLG 1.978178e+02
W_NLG 5.089209e+01
W_IE 4.950887e+02
W_FS 6.335355e+01
W_FCS 5.180593e+01
W_HS 3.198293e+00
W_AS 5.668170e+02
W_ES 3.365572e+02
W_AC 2.420436e+02
W_W 3.340444e+01
F_W 1.211406e+02
```

Total Weight = 3.191304e+03

Deviation from last iteration = 6.988390e+00

Iteration# 8

```
W_W 3.336840e+01
W_HT 4.655207e+01
W_VT 8.615569e+01
W_FUS 8.941556e+02
W_MLG 1.974858e+02
W_NLG 5.082913e+01
W_IE 4.950887e+02
W_FS 6.335355e+01
W_FCS 5.169437e+01
W_HS 3.191304e+00
W_AS 5.668170e+02
W_ES 3.365572e+02
W_AC 2.417684e+02
W_W 3.336840e+01
F_W 1.207339e+02
```

Total Weight = 3.187751e+03
Deviation from last iteration = 3.553302e+00

Iteration# 9
W_W 3.335006e+01
W_HT 4.653060e+01
W_VT 8.611960e+01
W_FUS 8.930331e+02
W_MLG 1.973169e+02
W_NLG 5.079708e+01
W_IE 4.950887e+02
W_FS 6.335355e+01
W_FCS 5.163765e+01
W_HS 3.187751e+00
W_AS 5.668170e+02
W_ES 3.365572e+02
W_AC 2.416284e+02
W_W 3.335006e+01
F_W 1.205271e+02

Total Weight = 3.185945e+03
Deviation from last iteration = 1.806490e+00

Iteration# 10
W_W 3.334074e+01
W_HT 4.651968e+01
W_VT 8.610125e+01
W_FUS 8.924625e+02
W_MLG 1.972310e+02
W_NLG 5.078079e+01
W_IE 4.950887e+02
W_FS 6.335355e+01
W_FCS 5.160881e+01
W_HS 3.185945e+00
W_AS 5.668170e+02
W_ES 3.365572e+02
W_AC 2.415572e+02
W_W 3.334074e+01
F_W 1.204220e+02

Total Weight = 3.185026e+03
Deviation from last iteration = 9.183600e-01

Iteration# 11
W_W 3.333599e+01
W_HT 4.651413e+01
W_VT 8.609192e+01
W_FUS 8.921724e+02
W_MLG 1.971873e+02
W_NLG 5.077250e+01
W_IE 4.950887e+02

```
W_FS 6.335355e+01
W_FCS 5.159415e+01
W_HS 3.185026e+00
W_AS 5.668170e+02
W_ES 3.365572e+02
W_AC 2.415210e+02
W_W 3.333599e+01
F_W 1.203685e+02
```

```
Total Weight = 3.184559e+03
Deviation from last iteration = 4.668495e-01
```

```
-----
Iteration# 12
W_W 3.333358e+01
W_HT 4.651131e+01
W_VT 8.608717e+01
W_FUS 8.920250e+02
W_MLG 1.971651e+02
W_NLG 5.076829e+01
W_IE 4.950887e+02
W_FS 6.335355e+01
W_FCS 5.158669e+01
W_HS 3.184559e+00
W_AS 5.668170e+02
W_ES 3.365572e+02
W_AC 2.415025e+02
W_W 3.333358e+01
F_W 1.203414e+02
```

```
Total Weight = 3.184322e+03
Deviation from last iteration = 2.373199e-01
```

```
-----
Iteration# 13
W_W 3.333236e+01
W_HT 4.650987e+01
W_VT 8.608476e+01
W_FUS 8.919501e+02
W_MLG 1.971538e+02
W_NLG 5.076615e+01
W_IE 4.950887e+02
W_FS 6.335355e+01
W_FCS 5.158290e+01
W_HS 3.184322e+00
W_AS 5.668170e+02
W_ES 3.365572e+02
W_AC 2.414932e+02
W_W 3.333236e+01
F_W 1.203275e+02
```

```
Total Weight = 3.184201e+03
Deviation from last iteration = 1.206390e-01
```

```
Iteration# 14
W_W 3.333173e+01
W_HT 4.650914e+01
W_VT 8.608353e+01
W_FUS 8.919120e+02
W_MLG 1.971481e+02
W_NLG 5.076506e+01
W_IE 4.950887e+02
W_FS 6.335355e+01
W_FCS 5.158098e+01
W_HS 3.184201e+00
W_AS 5.668170e+02
W_ES 3.365572e+02
W_AC 2.414884e+02
W_W 3.333173e+01
F_W 1.203205e+02
```

```
Total Weight = 3.184140e+03
Deviation from last iteration = 6.132533e-02
-----
```

```
Iteration# 15
W_W 3.333142e+01
W_HT 4.650877e+01
W_VT 8.608291e+01
W_FUS 8.918926e+02
W_MLG 1.971452e+02
W_NLG 5.076451e+01
W_IE 4.950887e+02
W_FS 6.335355e+01
W_FCS 5.158000e+01
W_HS 3.184140e+00
W_AS 5.668170e+02
W_ES 3.365572e+02
W_AC 2.414860e+02
W_W 3.333142e+01
F_W 1.203170e+02
```

```
Total Weight = 3.184109e+03
Deviation from last iteration = 3.117389e-02
-----
```

```
Iteration# 16
W_W 3.333125e+01
W_HT 4.650858e+01
W_VT 8.608259e+01
W_FUS 8.918828e+02
W_MLG 1.971437e+02
W_NLG 5.076423e+01
W_IE 4.950887e+02
W_FS 6.335355e+01
W_FCS 5.157950e+01
W_HS 3.184109e+00
W_AS 5.668170e+02
W_ES 3.365572e+02
```

W_AC 2.414848e+02
W_W 3.333125e+01
F_W 1.203151e+02

Total Weight = 3.184093e+03
Deviation from last iteration = 1.584680e-02

Iteration# 17
W_W 3.333117e+01
W_HT 4.650849e+01
W_VT 8.608243e+01
W_FUS 8.918778e+02
W_MLG 1.971429e+02
W_NLG 5.076408e+01
W_IE 4.950887e+02
W_FS 6.335355e+01
W_FCS 5.157925e+01
W_HS 3.184093e+00
W_AS 5.668170e+02
W_ES 3.365572e+02
W_AC 2.414842e+02
W_W 3.333117e+01
F_W 1.203142e+02

Total Weight = 3.184085e+03
Deviation from last iteration = 8.055492e-03

Iteration# 18
W_W 3.333113e+01
W_HT 4.650844e+01
W_VT 8.608235e+01
W_FUS 8.918752e+02
W_MLG 1.971426e+02
W_NLG 5.076401e+01
W_IE 4.950887e+02
W_FS 6.335355e+01
W_FCS 5.157912e+01
W_HS 3.184085e+00
W_AS 5.668170e+02
W_ES 3.365572e+02
W_AC 2.414838e+02
W_W 3.333113e+01
F_W 1.203137e+02

Total Weight = 3.184081e+03
Deviation from last iteration = 4.094892e-03

Iteration# 19
W_W 3.333111e+01
W_HT 4.650841e+01
W_VT 8.608231e+01
W_FUS 8.918739e+02

```
W_MLG 1.971424e+02
W_NLG 5.076397e+01
W_IE 4.950887e+02
W_FS 6.335355e+01
W_FCS 5.157906e+01
W_HS 3.184081e+00
W_AS 5.668170e+02
W_ES 3.365572e+02
W_AC 2.414837e+02
W_W 3.333111e+01
F_W 1.203135e+02
```

```
Total Weight = 3.184079e+03
Deviation from last iteration = 2.081578e-03
-----
```

```
Iteration# 20
W_W 3.333110e+01
W_HT 4.650840e+01
W_VT 8.608229e+01
W_FUS 8.918733e+02
W_MLG 1.971423e+02
W_NLG 5.076396e+01
W_IE 4.950887e+02
W_FS 6.335355e+01
W_FCS 5.157902e+01
W_HS 3.184079e+00
W_AS 5.668170e+02
W_ES 3.365572e+02
W_AC 2.414836e+02
W_W 3.333110e+01
F_W 1.203134e+02
```

```
Total Weight = 3.184078e+03
Deviation from last iteration = 1.058139e-03
-----
```

```
Iteration# 21
W_W 3.333109e+01
W_HT 4.650840e+01
W_VT 8.608228e+01
W_FUS 8.918729e+02
W_MLG 1.971422e+02
W_NLG 5.076395e+01
W_IE 4.950887e+02
W_FS 6.335355e+01
W_FCS 5.157901e+01
W_HS 3.184078e+00
W_AS 5.668170e+02
W_ES 3.365572e+02
W_AC 2.414836e+02
W_W 3.333109e+01
F_W 1.203133e+02
```

```
Total Weight = 3.184077e+03
```


Deviation from last iteration = 5.378896e-04

Iteration# 22

W_W	3.333109e+01
W_HT	4.650839e+01
W_VT	8.608227e+01
W_FUS	8.918728e+02
W_MLG	1.971422e+02
W_NLG	5.076394e+01
W_IE	4.950887e+02
W_FS	6.335355e+01
W_FCS	5.157900e+01
W_HS	3.184077e+00
W_AS	5.668170e+02
W_ES	3.365572e+02
W_AC	2.414835e+02
W_W	3.333109e+01
F_W	1.203133e+02

Total Weight = 3.184077e+03

Deviation from last iteration = 2.734282e-04

Iteration# 23

W_W	3.333109e+01
W_HT	4.650839e+01
W_VT	8.608227e+01
W_FUS	8.918727e+02
W_MLG	1.971422e+02
W_NLG	5.076394e+01
W_IE	4.950887e+02
W_FS	6.335355e+01
W_FCS	5.157899e+01
W_HS	3.184077e+00
W_AS	5.668170e+02
W_ES	3.365572e+02
W_AC	2.414835e+02
W_W	3.333109e+01
F_W	1.203133e+02

Total Weight = 3.184077e+03

Deviation from last iteration = 1.389932e-04

Iteration# 24

W_W	3.333109e+01
W_HT	4.650839e+01
W_VT	8.608227e+01
W_FUS	8.918726e+02
W_MLG	1.971422e+02
W_NLG	5.076394e+01
W_IE	4.950887e+02
W_FS	6.335355e+01
W_FCS	5.157899e+01

```
W_HS 3.184077e+00
W_AS 5.668170e+02
W_ES 3.365572e+02
W_AC 2.414835e+02
W_W 3.333109e+01
F_W 1.203133e+02
```

```
Total Weight = 3.184077e+03
Deviation from last iteration = 7.065513e-05
```

```
Iteration# 25
W_W 3.333109e+01
W_HT 4.650839e+01
W_VT 8.608227e+01
W_FUS 8.918726e+02
W_MLG 1.971422e+02
W_NLG 5.076394e+01
W_IE 4.950887e+02
W_FS 6.335355e+01
W_FCS 5.157899e+01
W_HS 3.184077e+00
W_AS 5.668170e+02
W_ES 3.365572e+02
W_AC 2.414835e+02
W_W 3.333109e+01
F_W 1.203133e+02
```

```
Total Weight = 3.184077e+03
Deviation from last iteration = 3.591649e-05
```

```
Iteration# 26
W_W 3.333109e+01
W_HT 4.650839e+01
W_VT 8.608227e+01
W_FUS 8.918726e+02
W_MLG 1.971422e+02
W_NLG 5.076394e+01
W_IE 4.950887e+02
W_FS 6.335355e+01
W_FCS 5.157899e+01
W_HS 3.184077e+00
W_AS 5.668170e+02
W_ES 3.365572e+02
W_AC 2.414835e+02
W_W 3.333109e+01
F_W 1.203133e+02
```

```
Total Weight = 3.184077e+03
Deviation from last iteration = 1.825762e-05
```

```
Iteration# 27
W_W 3.333109e+01
```

```
W_HT 4.650839e+01
W_VT 8.608227e+01
W_FUS 8.918726e+02
W_MLG 1.971422e+02
W_NLG 5.076394e+01
W_IE 4.950887e+02
W_FS 6.335355e+01
W_FCS 5.157899e+01
W_HS 3.184077e+00
W_AS 5.668170e+02
W_ES 3.365572e+02
W_AC 2.414835e+02
W_W 3.333109e+01
F_W 1.203133e+02
```

```
Total Weight = 3.184077e+03
```

```
Deviation from last iteration = 9.280989e-06
```

```
>>
```