

1 Order Parameter

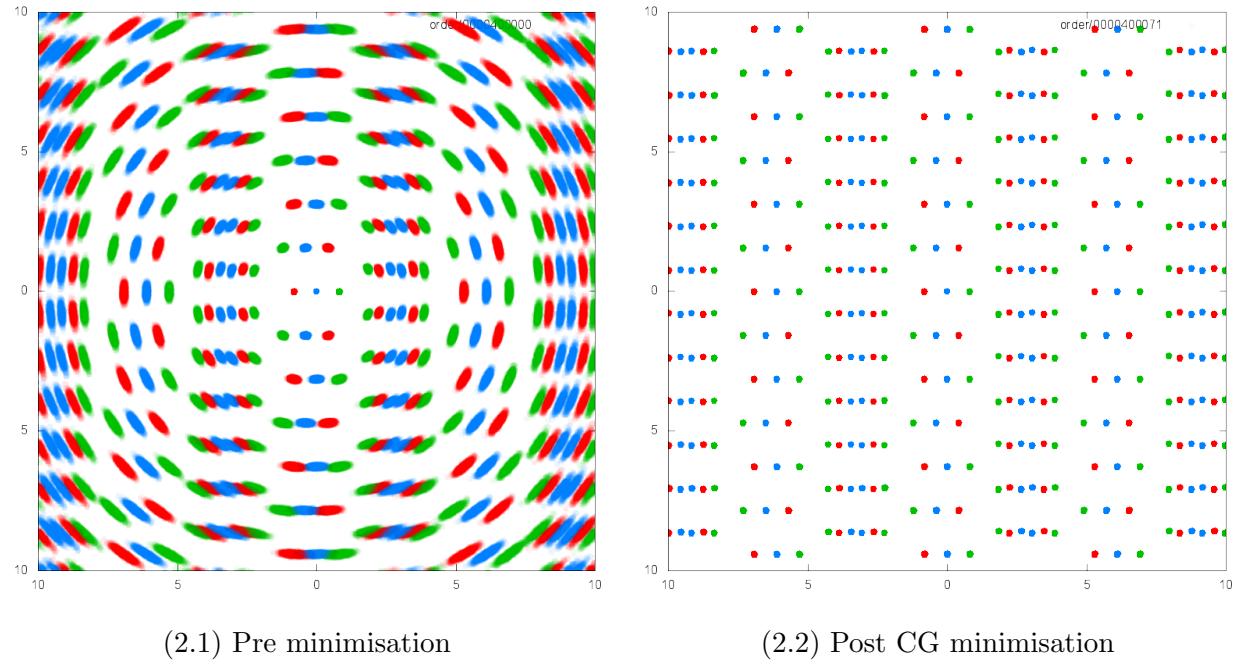


Figure 2: Snowman: Temp= 0.2, $r = 0.637556$, $d = 1.637556$, p2gg

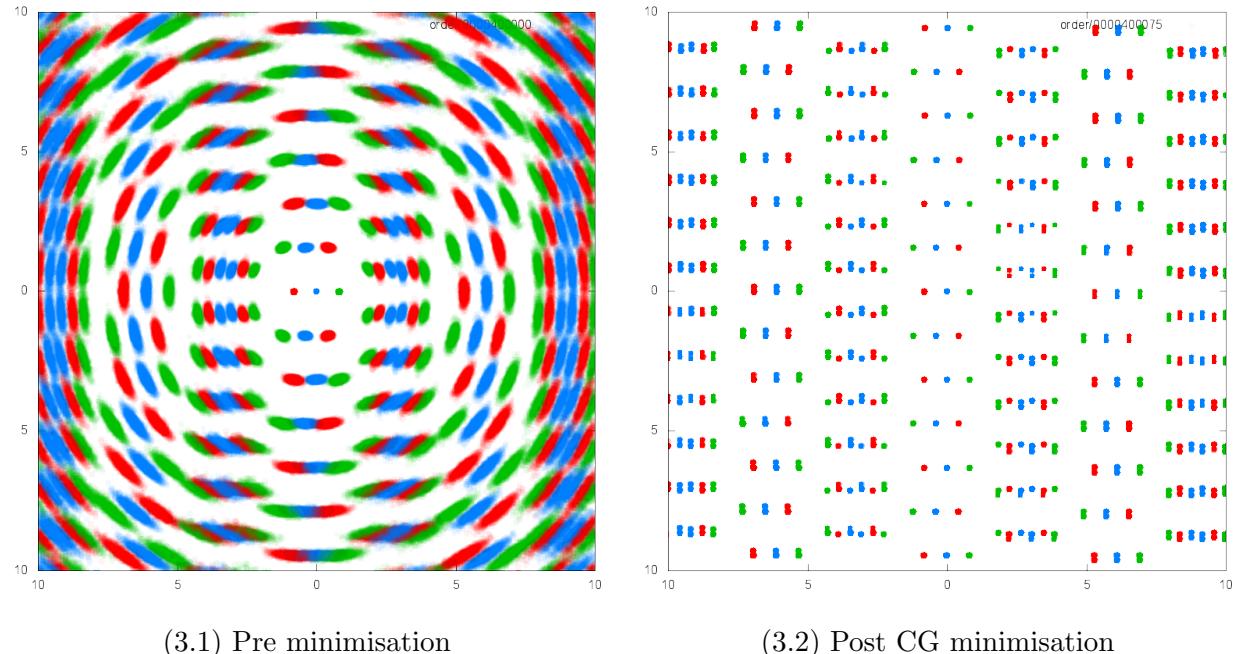
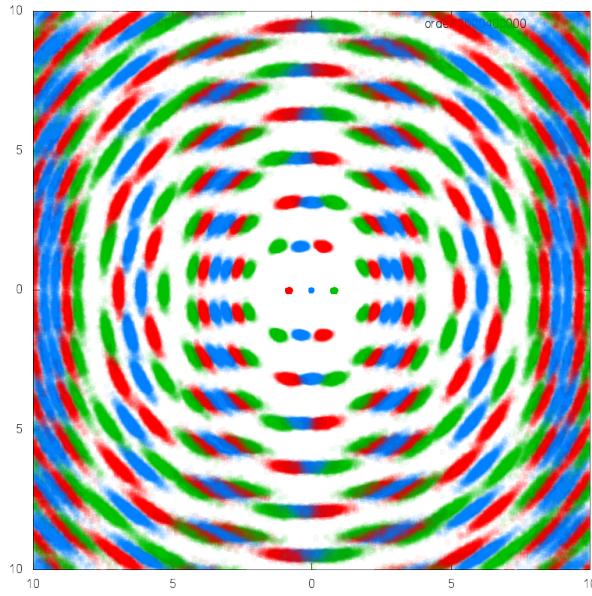
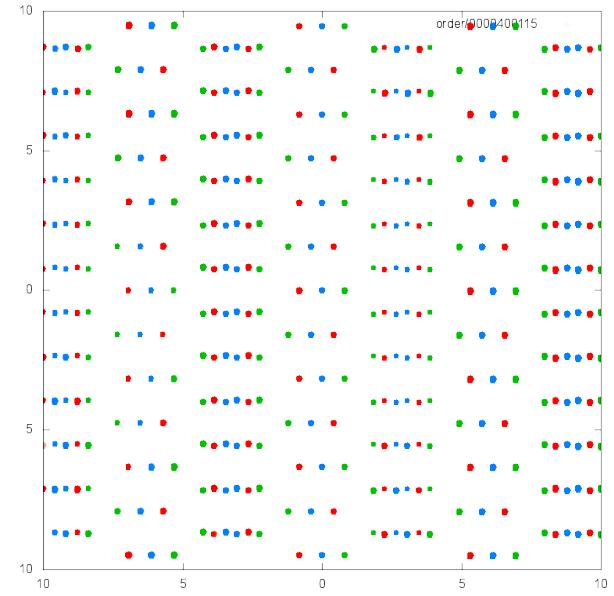


Figure 3: Snowman: Temp= 0.5, $r = 0.637556$, $d = 1.637556$, p2gg

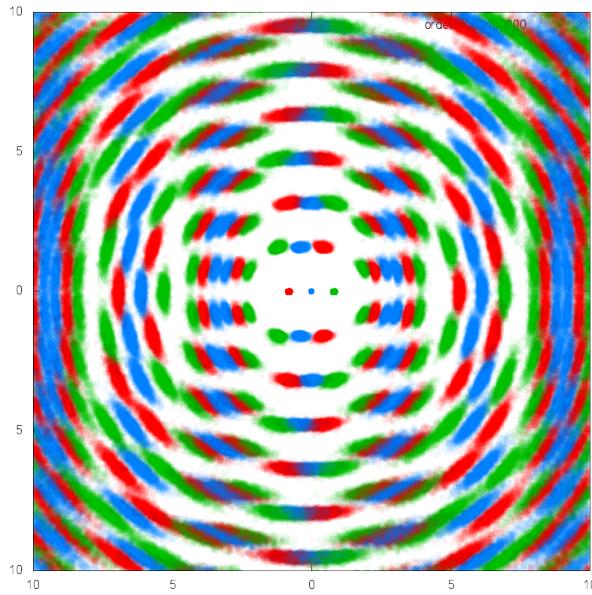


(4.1) Pre minimisation

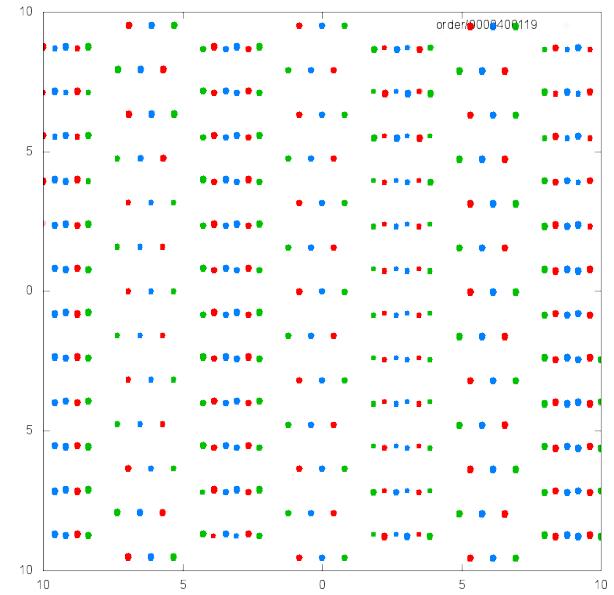


(4.2) Post CG minimisation

Figure 4: Snowman: Temp= 0.8, $r = 0.637556$, $d = 1.637556$, p2gg



(5.1) Pre minimisation



(5.2) Post CG minimisation

Figure 5: Snowman: Temp= 1.0, $r = 0.637556$, $d = 1.637556$, p2gg

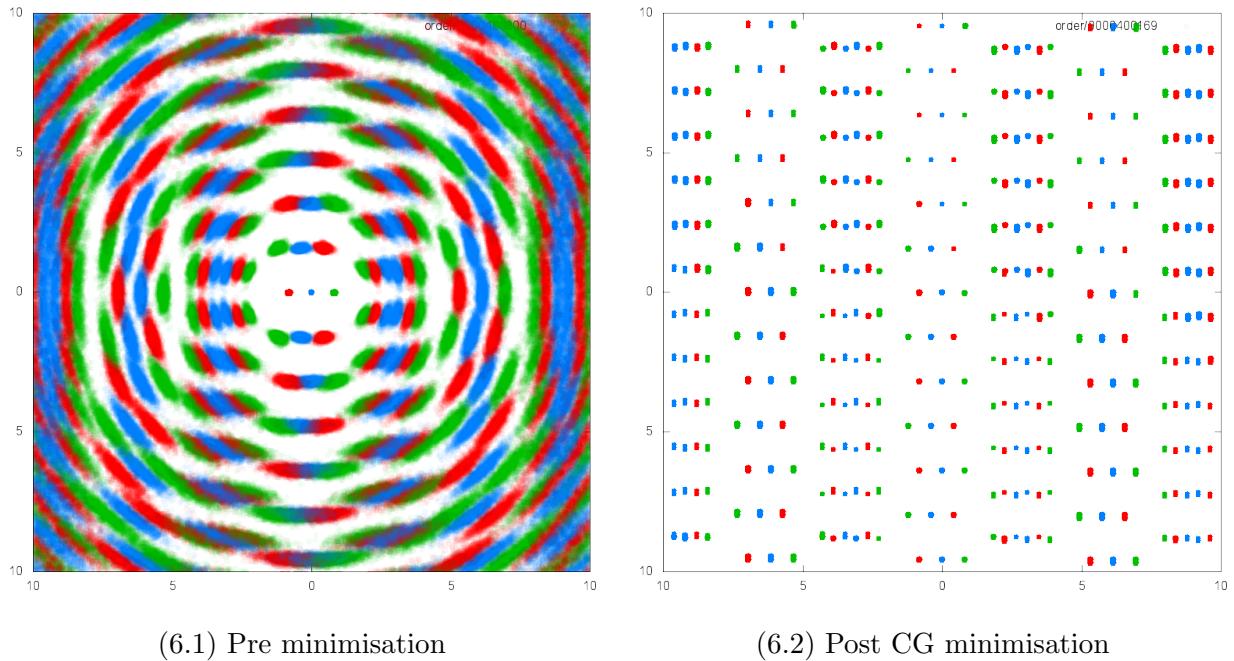


Figure 6: Snowman: Temp= 1.3, $r = 0.637556$, $d = 1.637556$, p2gg

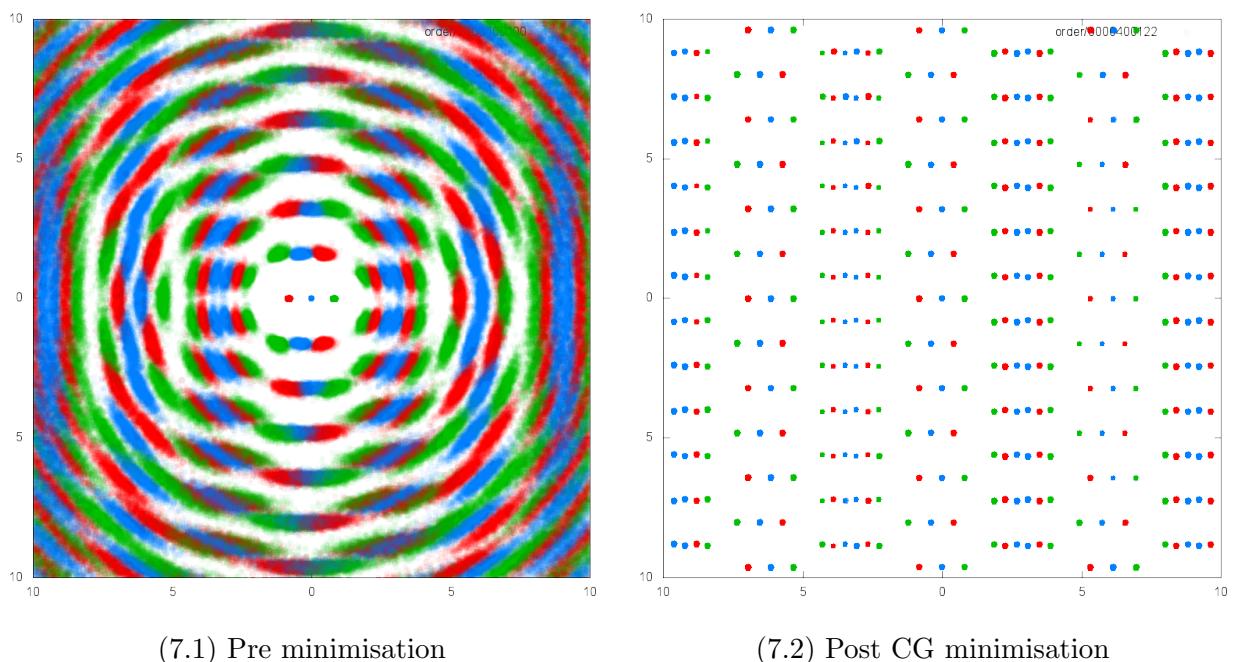


Figure 7: Snowman: Temp= 1.6, $r = 0.637556$, $d = 1.637556$, p2gg

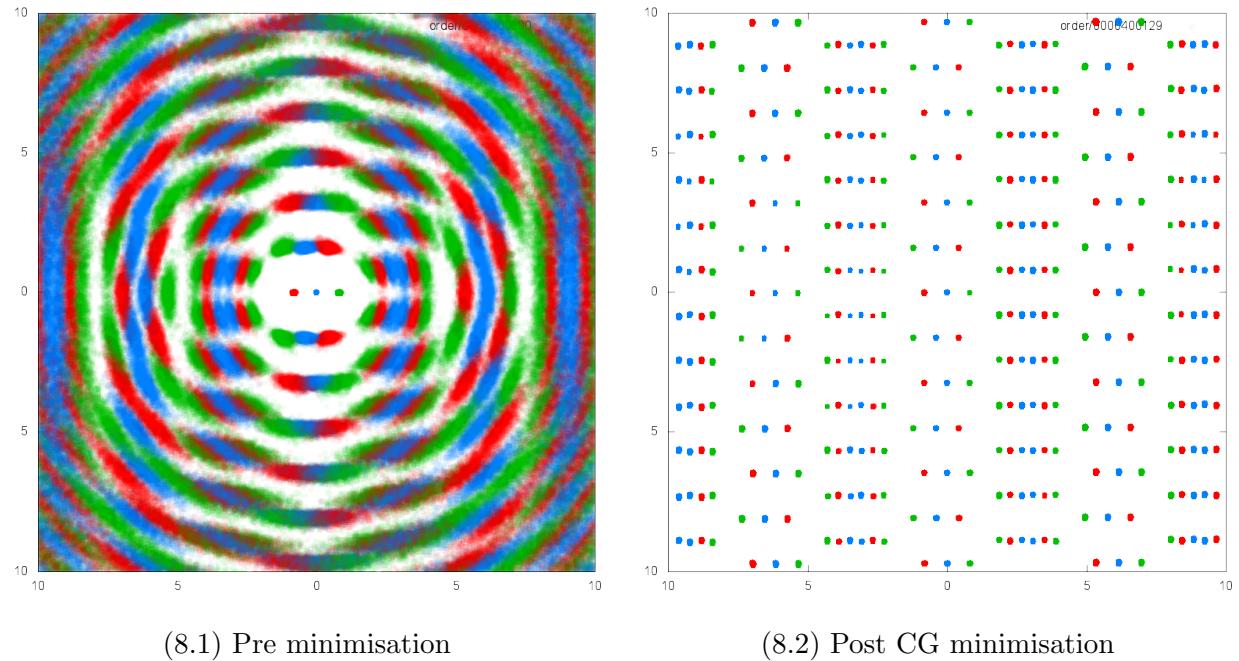


Figure 8: Snowman: Temp= 2.0, $r = 0.637556$, $d = 1.637556$, p2gg

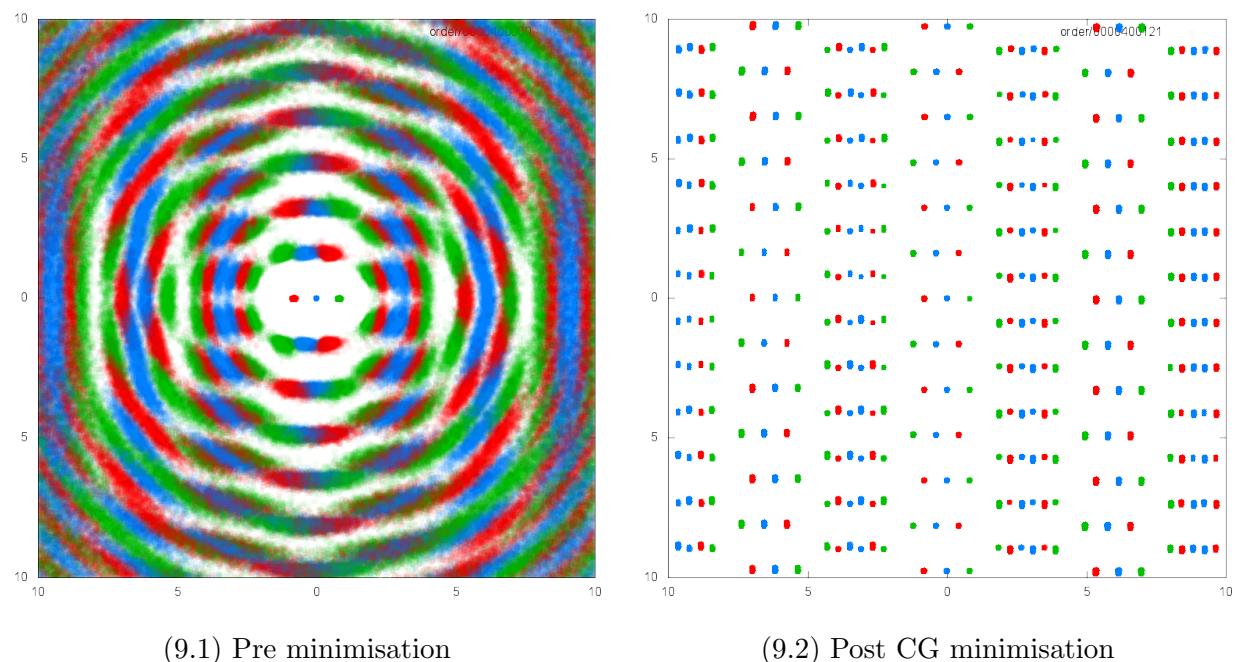
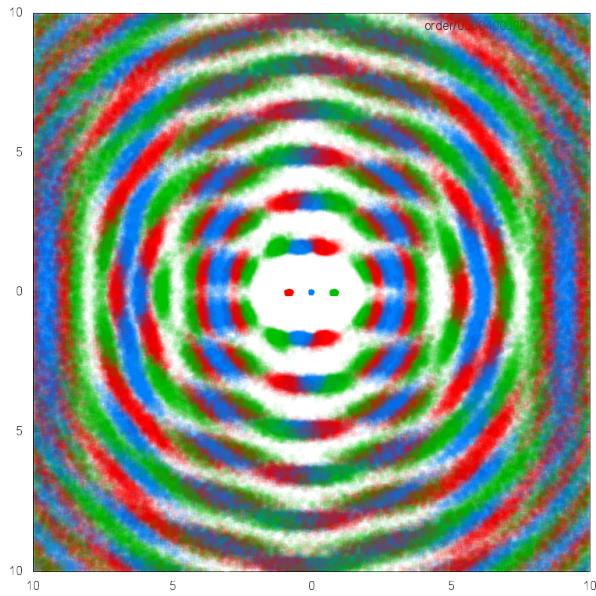
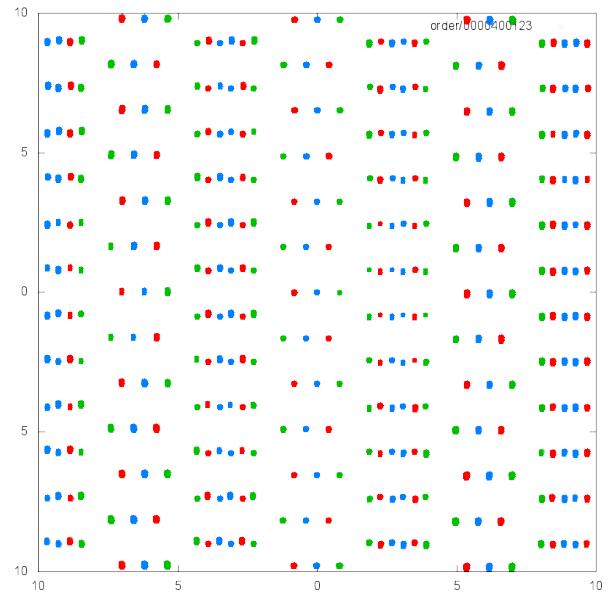


Figure 9: Snowman: Temp= 2.3, $r = 0.637556$, $d = 1.637556$, p2gg

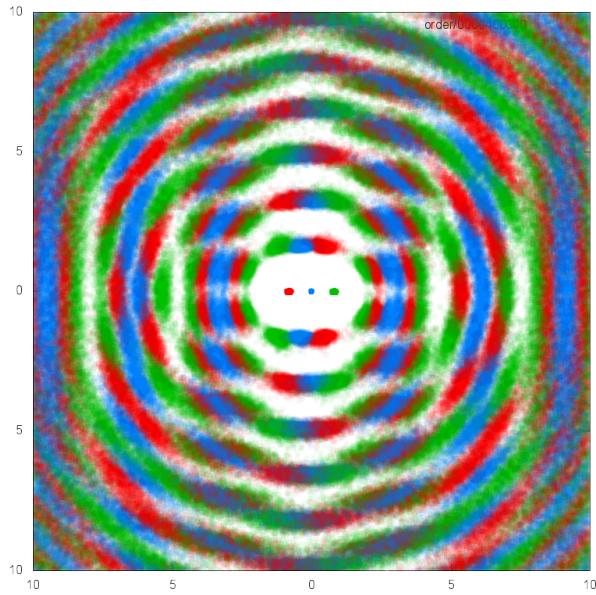


(10.1) Pre minimisation



(10.2) Post CG minimisation

Figure 10: Snowman: Temp= 2.6, $r = 0.637556$, $d = 1.637556$, p2gg



(11.1) Pre minimisation



(11.2) Post CG minimisation

Figure 11: Snowman: Temp= 2.8, $r = 0.637556$, $d = 1.637556$, p2gg

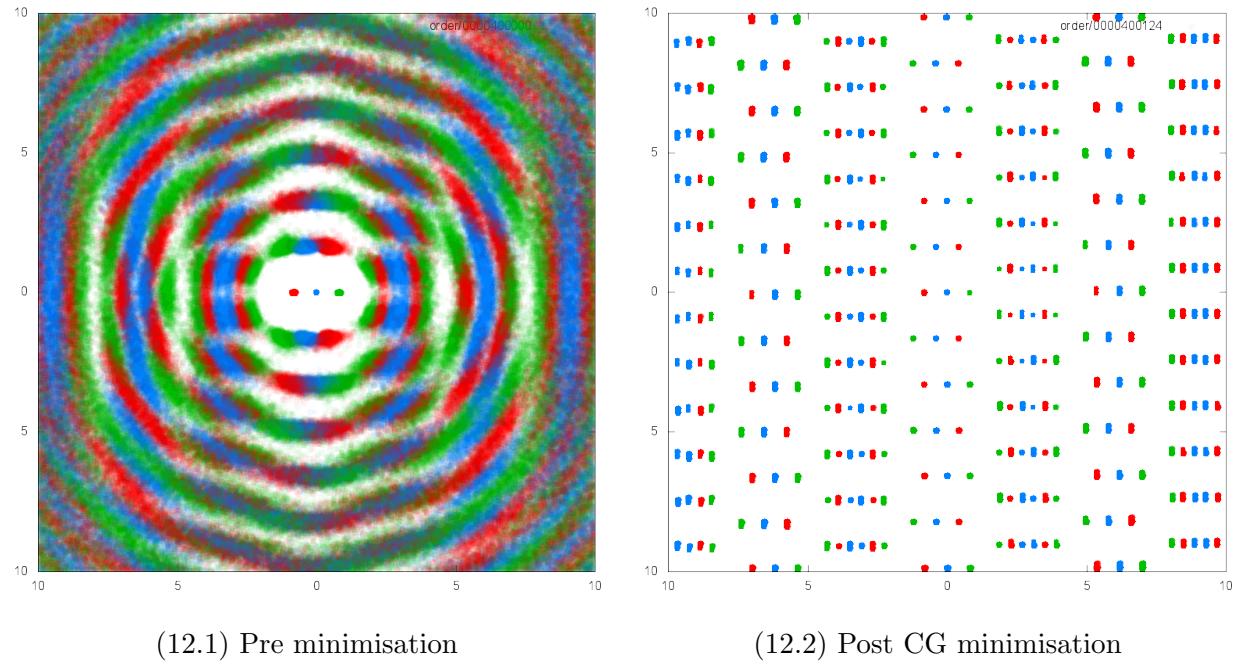


Figure 12: Snowman: Temp= 2.9, $r = 0.637556$, $d = 1.637556$, p2gg

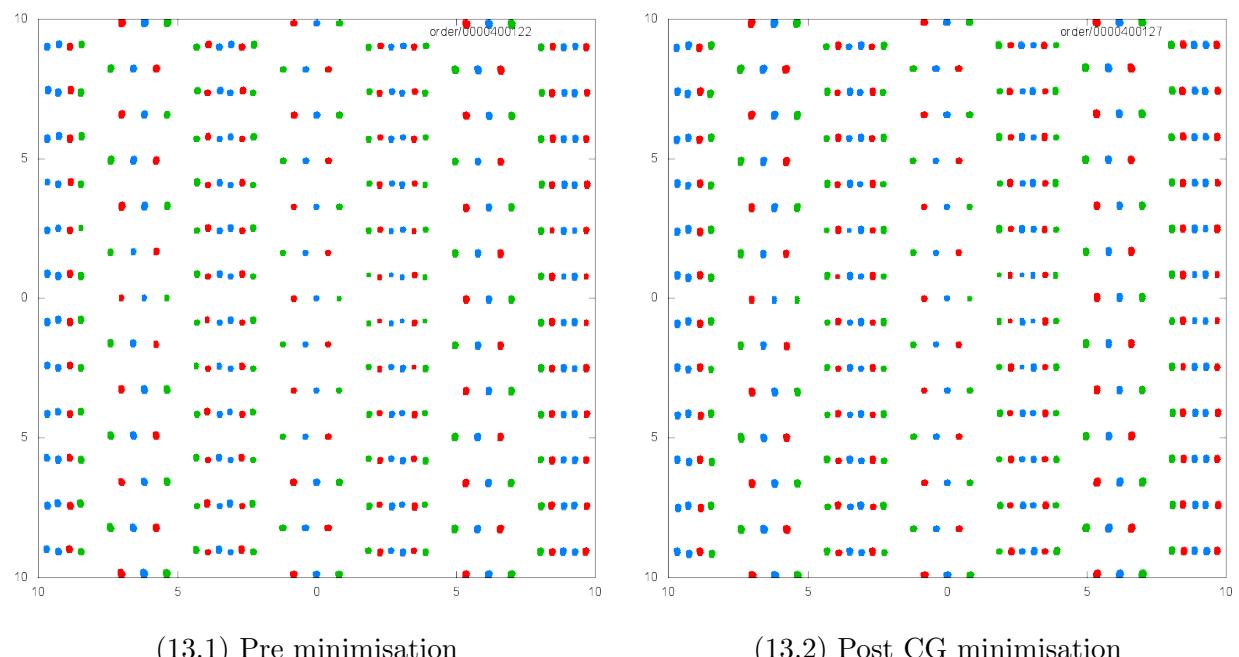
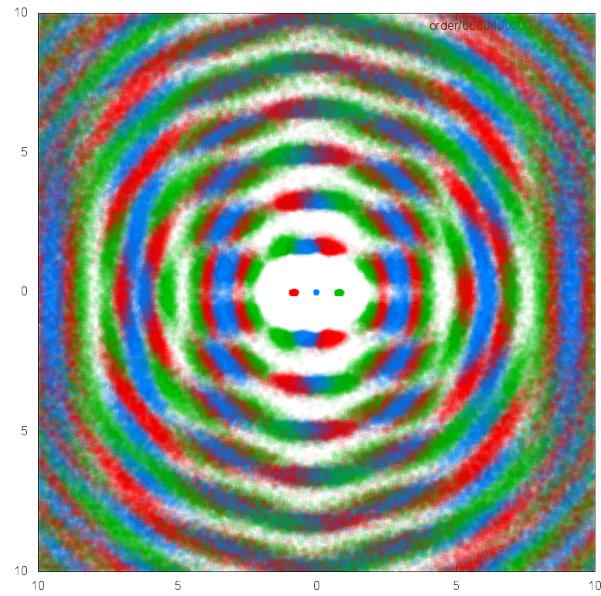


Figure 13: Snowman: Temp= 3.0, $r = 0.637556$, $d = 1.637556$, p2gg

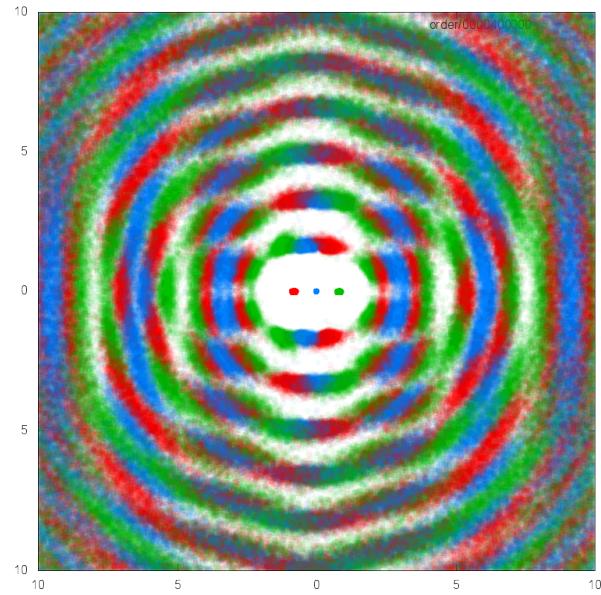


(14.1) Pre minimisation

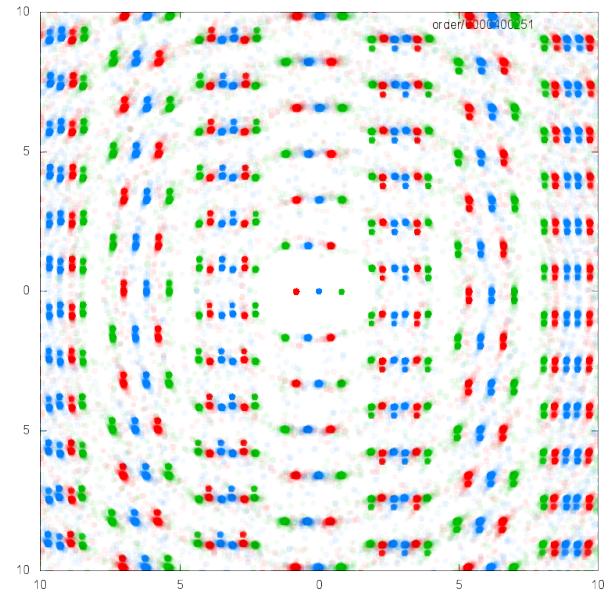


(14.2) Post CG minimisation

Figure 14: Snowman: Temp= 3.05, $r = 0.637556$, $d = 1.637556$, p2gg

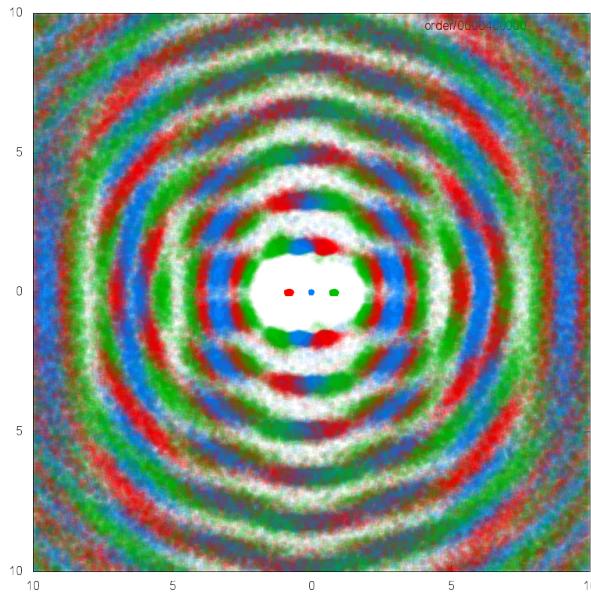


(15.1) Pre minimisation

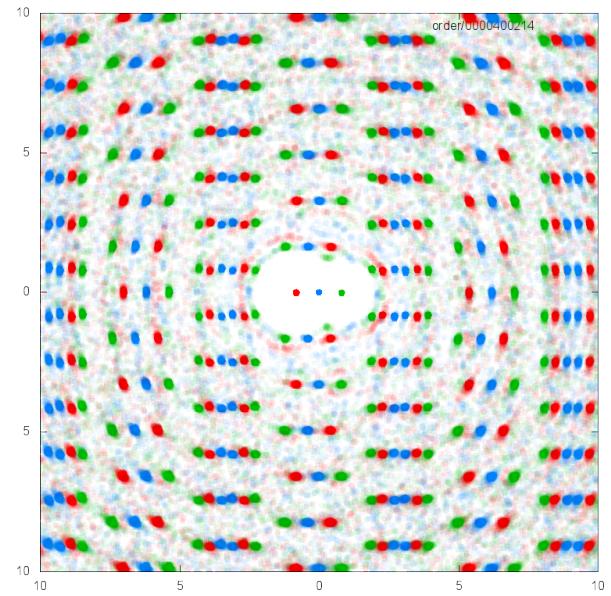


(15.2) Post CG minimisation

Figure 15: Snowman: Temp= 3.1, $r = 0.637556$, $d = 1.637556$, p2gg

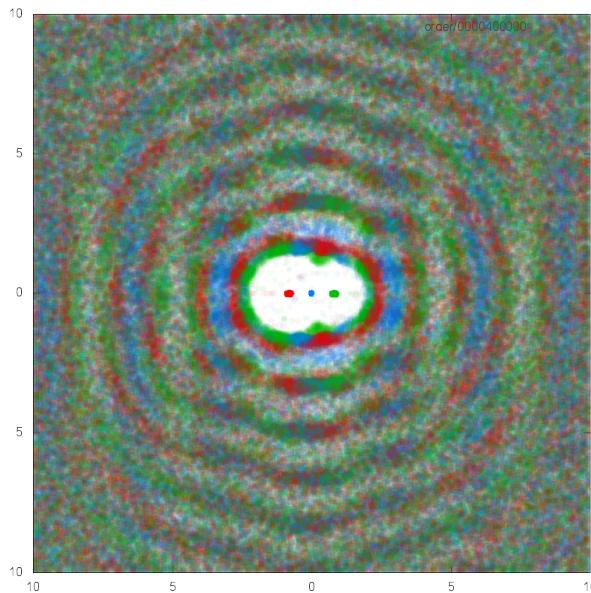


(16.1) Pre minimisation

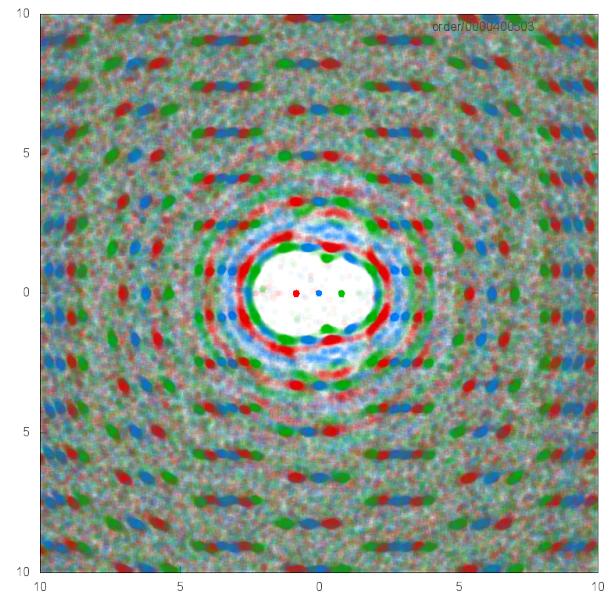


(16.2) Post CG minimisation

Figure 16: Snowman: Temp= 3.15, $r = 0.637556$, $d = 1.637556$, p2gg



(17.1) Pre minimisation



(17.2) Post CG minimisation

Figure 17: Snowman: Temp= 3.2, $r = 0.637556$, $d = 1.637556$, p2gg

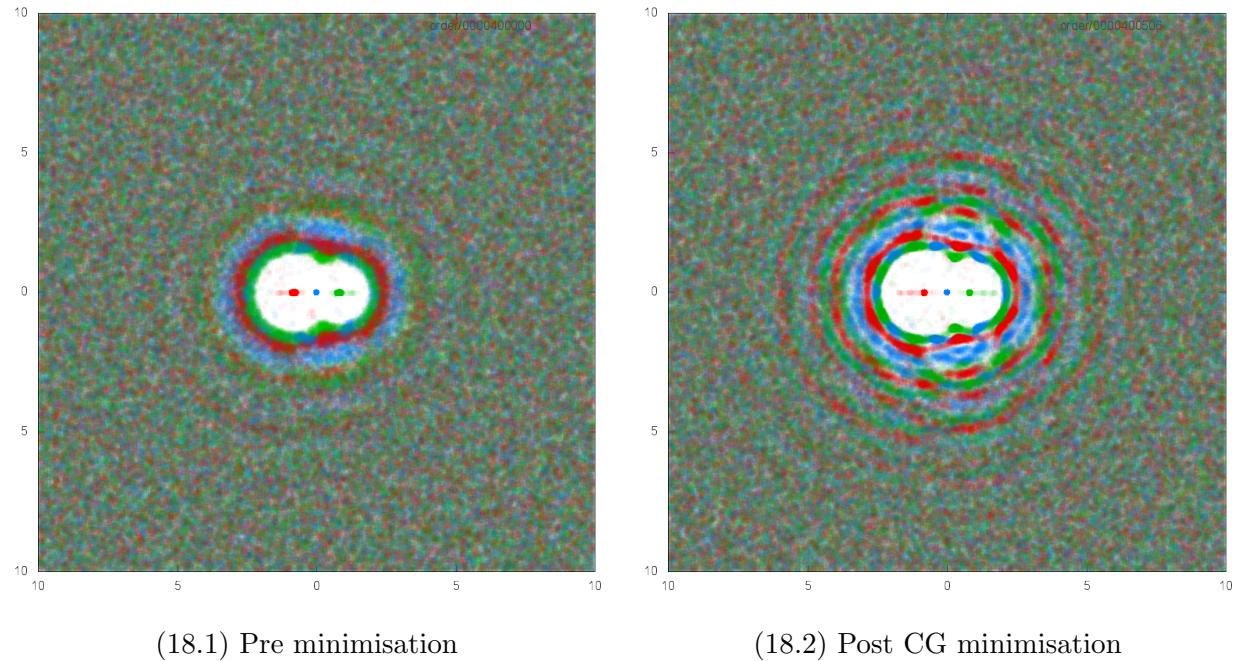


Figure 18: Snowman: Temp= 3.3, $r = 0.637556$, $d = 1.637556$, p2gg

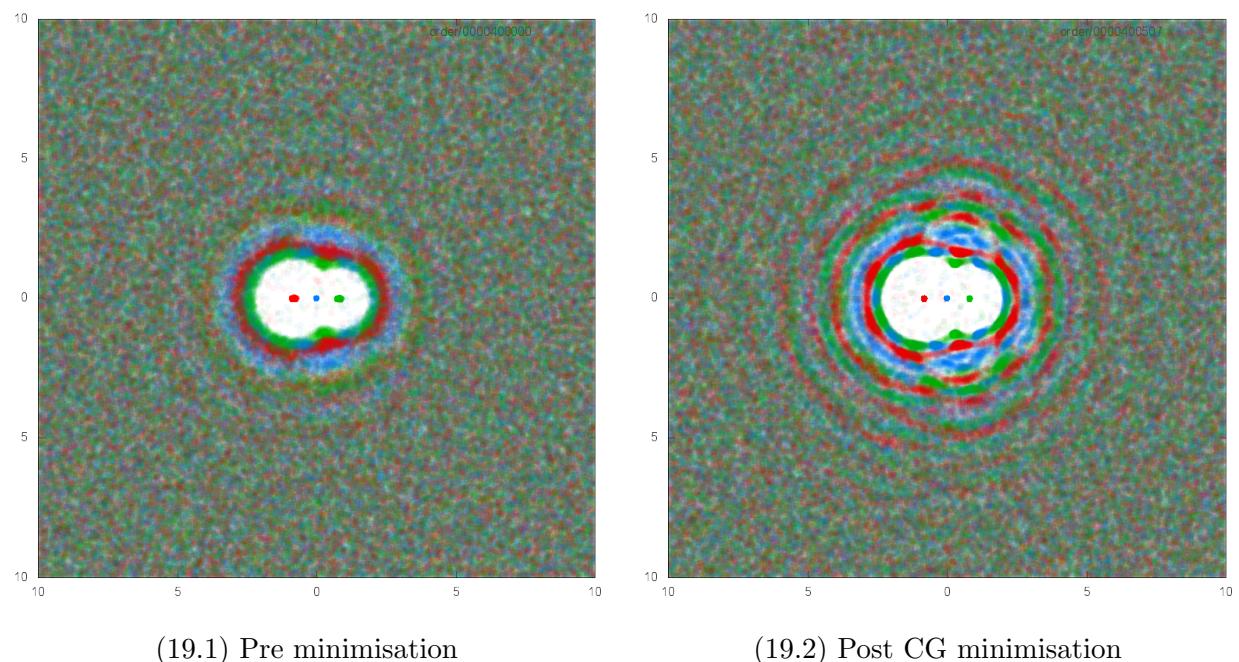


Figure 19: Snowman: Temp= 3.5, $r = 0.637556$, $d = 1.637556$, p2gg

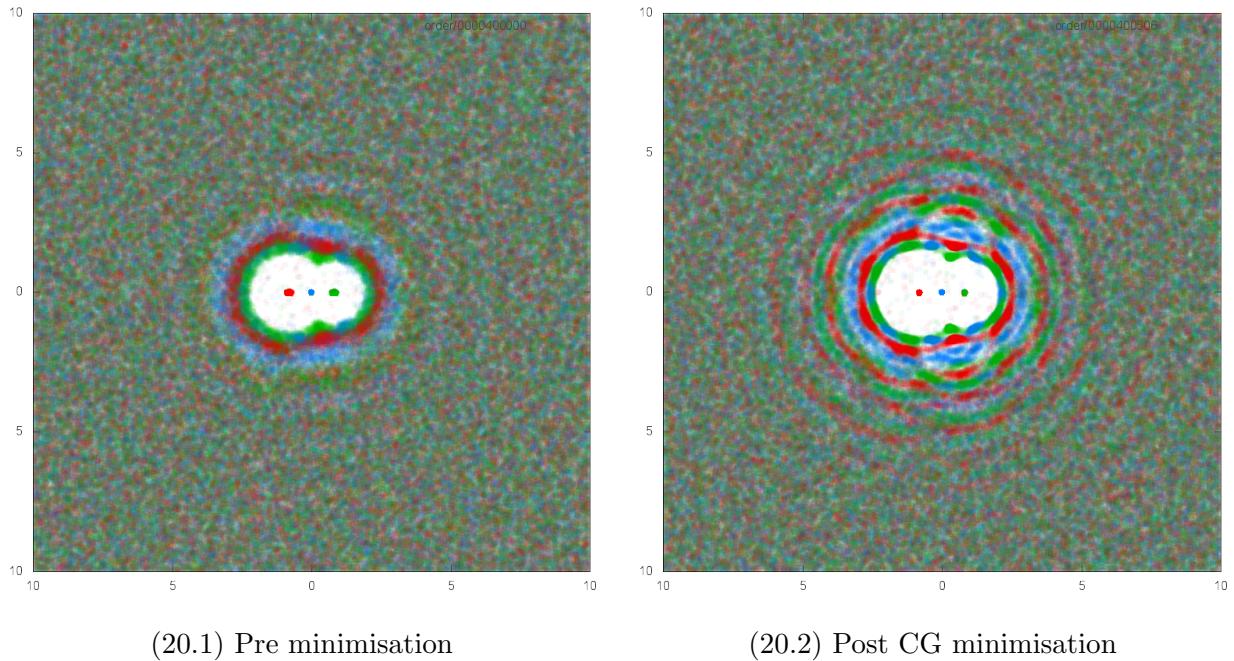


Figure 20: Snowman: Temp= 4.0, $r = 0.637556$, $d = 1.637556$, p2gg

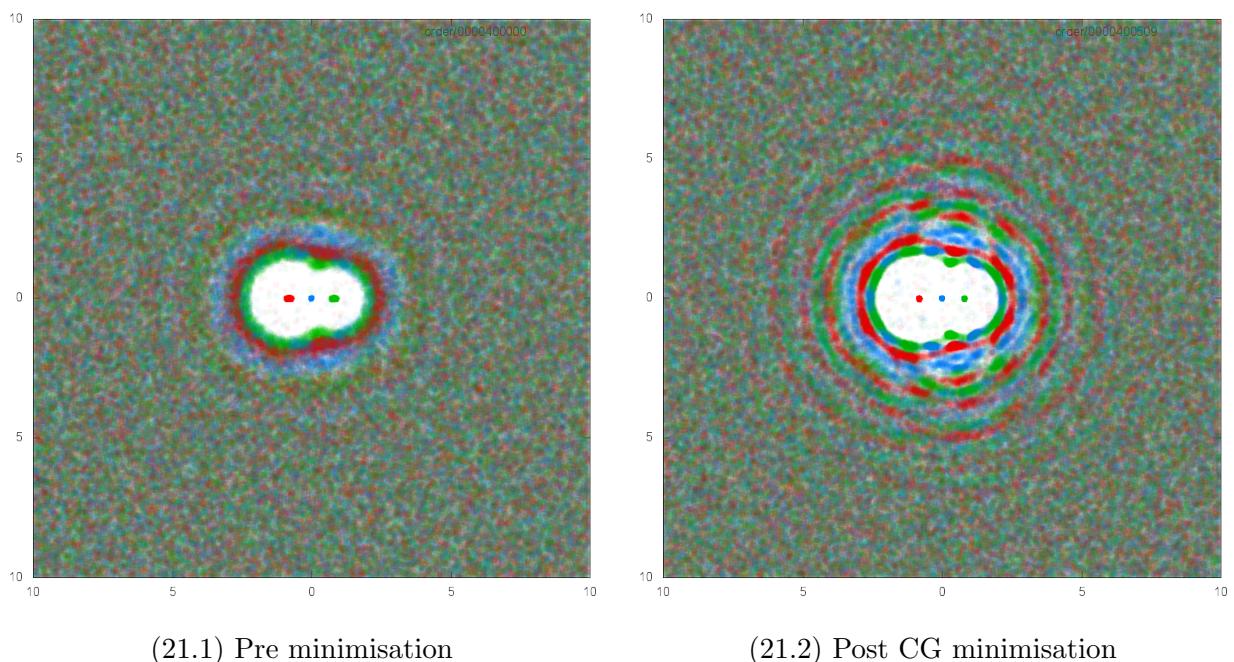
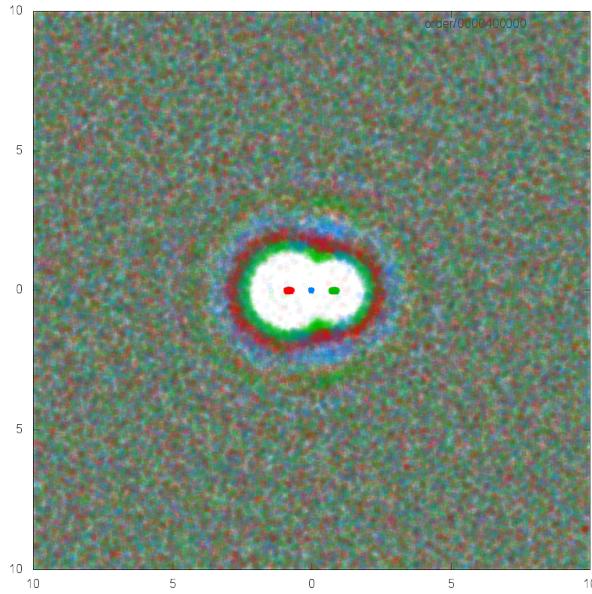
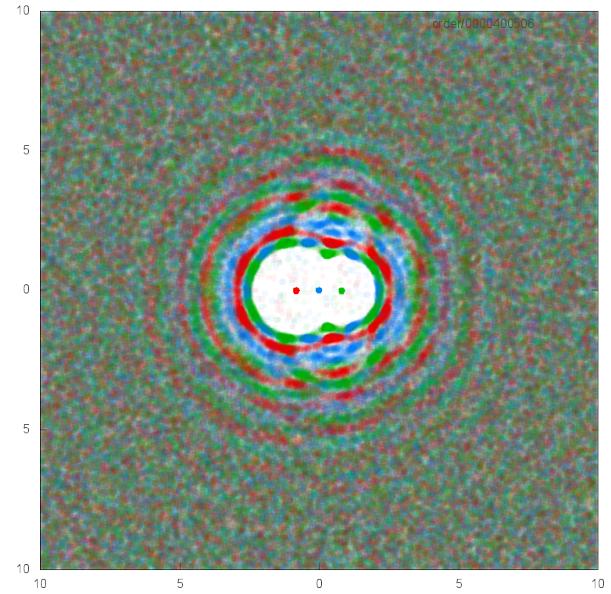


Figure 21: Snowman: Temp= 4.5, $r = 0.637556$, $d = 1.637556$, p2gg



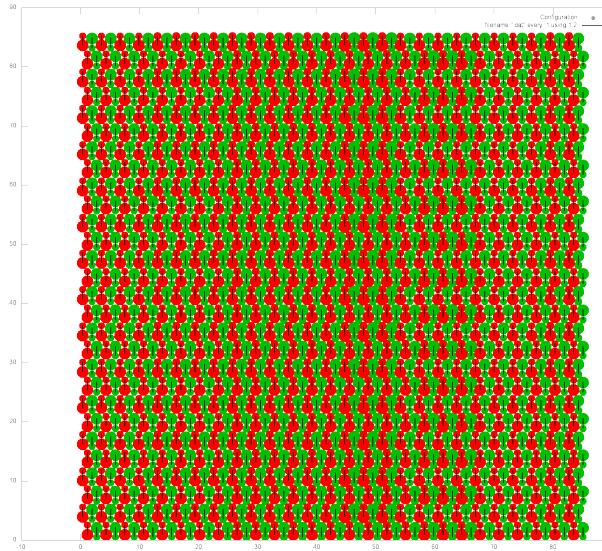
(22.1) Pre minimisation



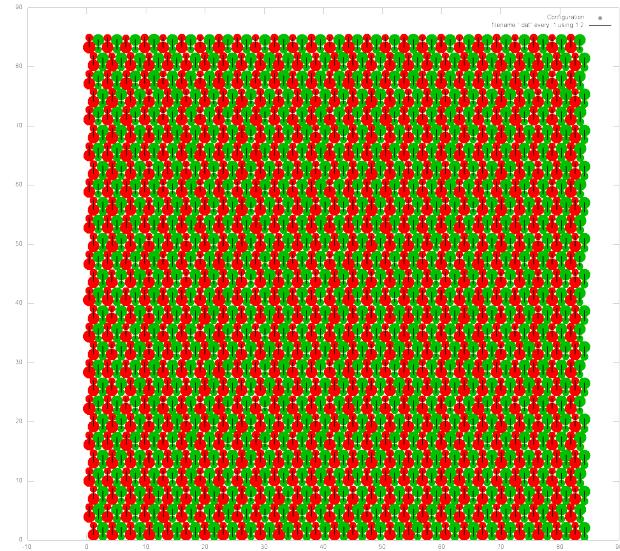
(22.2) Post CG minimisation

Figure 22: Snowman: Temp= 5.0, $r = 0.637556$, $d = 1.637556$, p2gg

2 Configuration



(23.1) Initial Configuration



(23.2) Final Configuration

Figure 23: Snowman: Temp= 0.2, $r = 0.637556$, $d = 1.637556$, p2gg

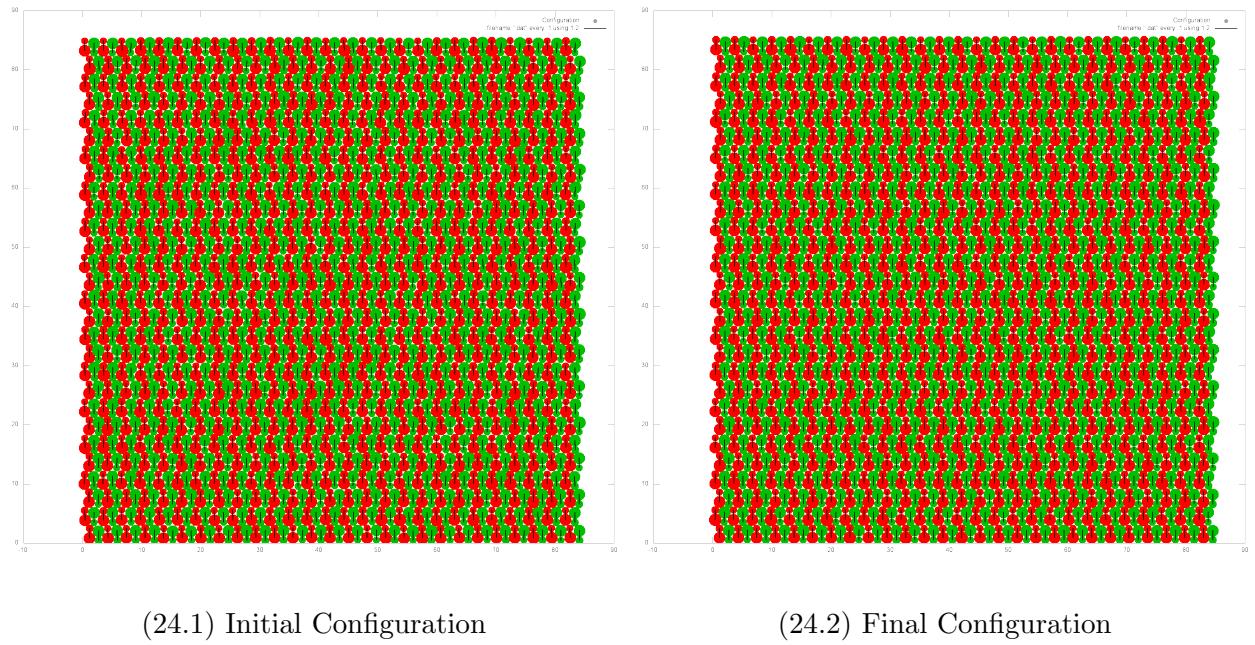


Figure 24: Snowman: Temp= 0.5, $r = 0.637556$, $d = 1.637556$, p2gg

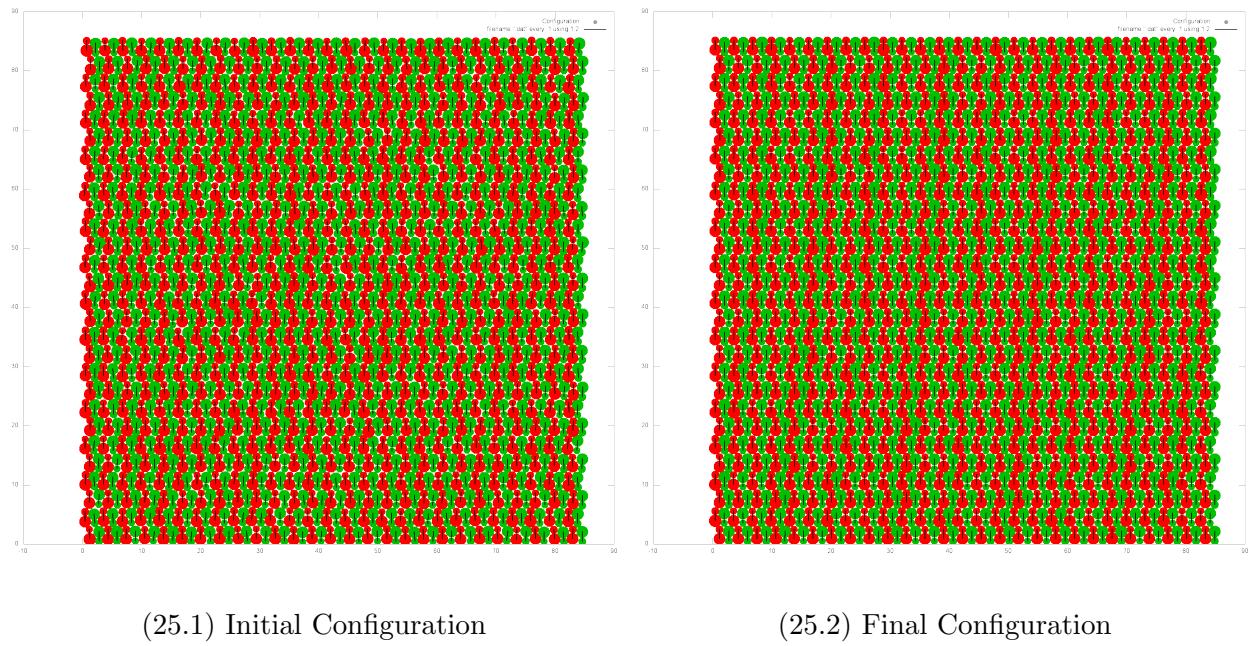


Figure 25: Snowman: Temp= 0.8, $r = 0.637556$, $d = 1.637556$, p2gg

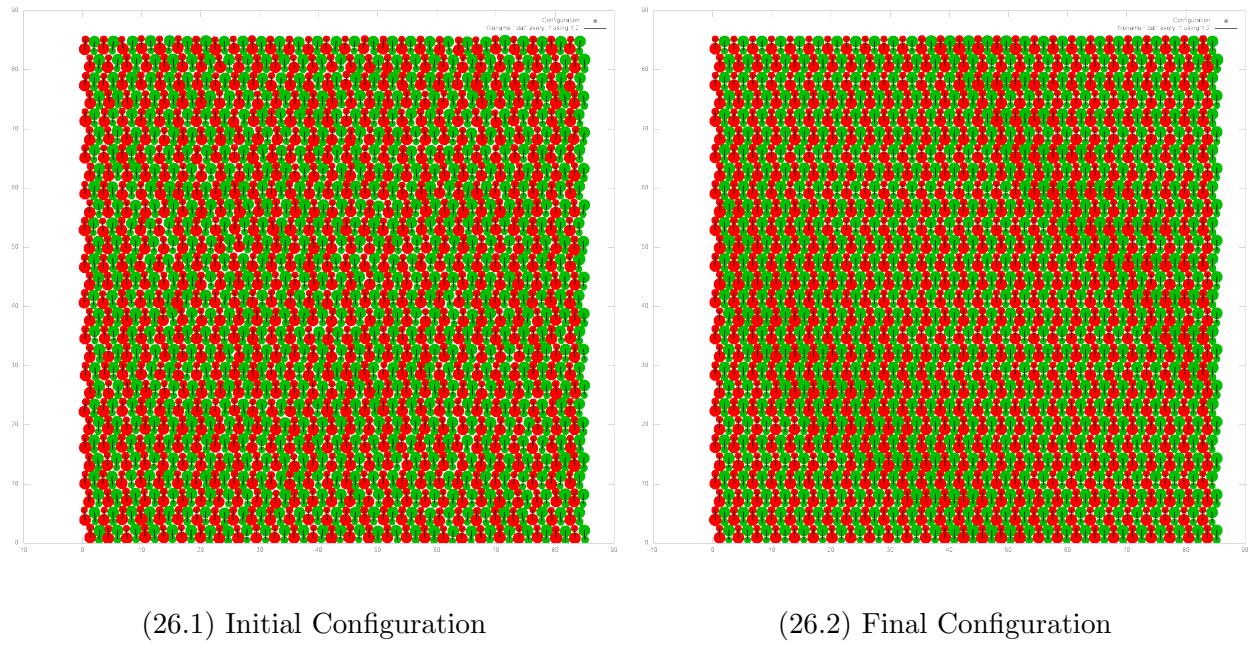


Figure 26: Snowman: Temp= 1.0, $r = 0.637556$, $d = 1.637556$, p2gg

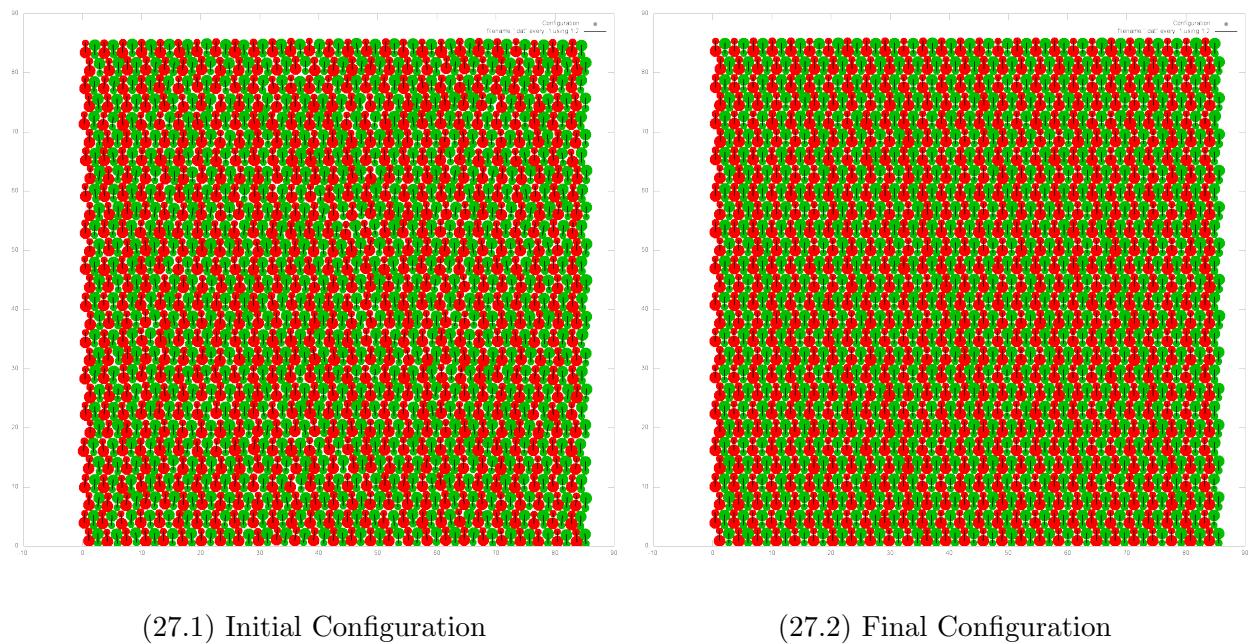


Figure 27: Snowman: Temp= 1.3, $r = 0.637556$, $d = 1.637556$, p2gg

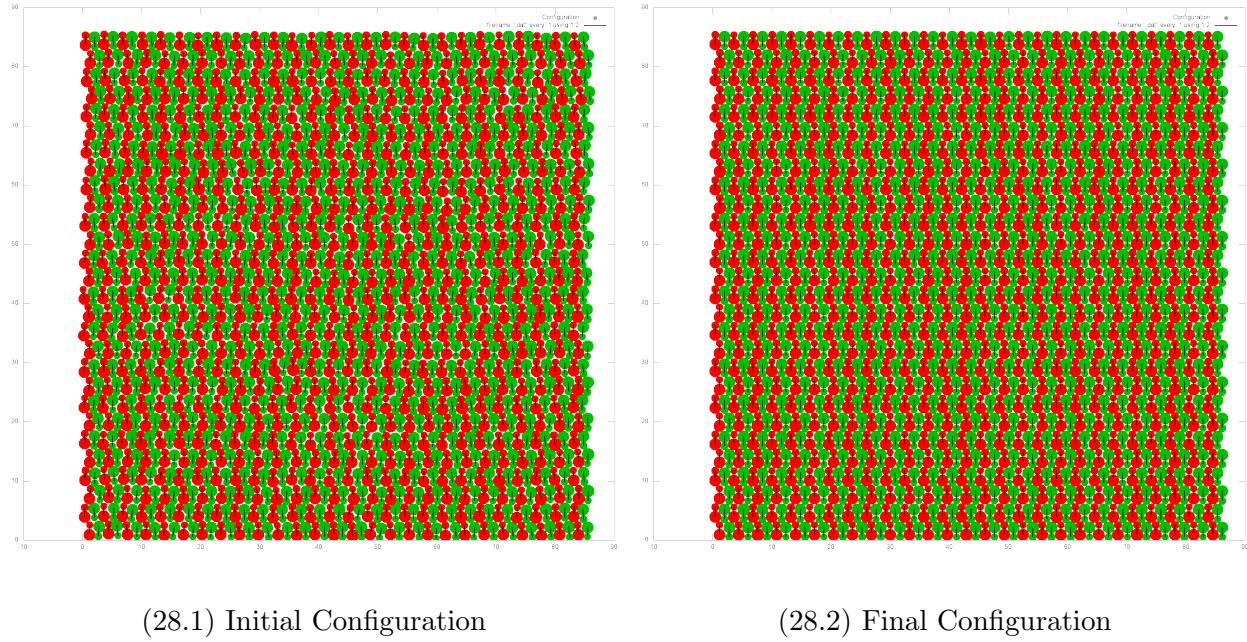


Figure 28: Snowman: Temp= 1.6, $r = 0.637556$, $d = 1.637556$, p2gg

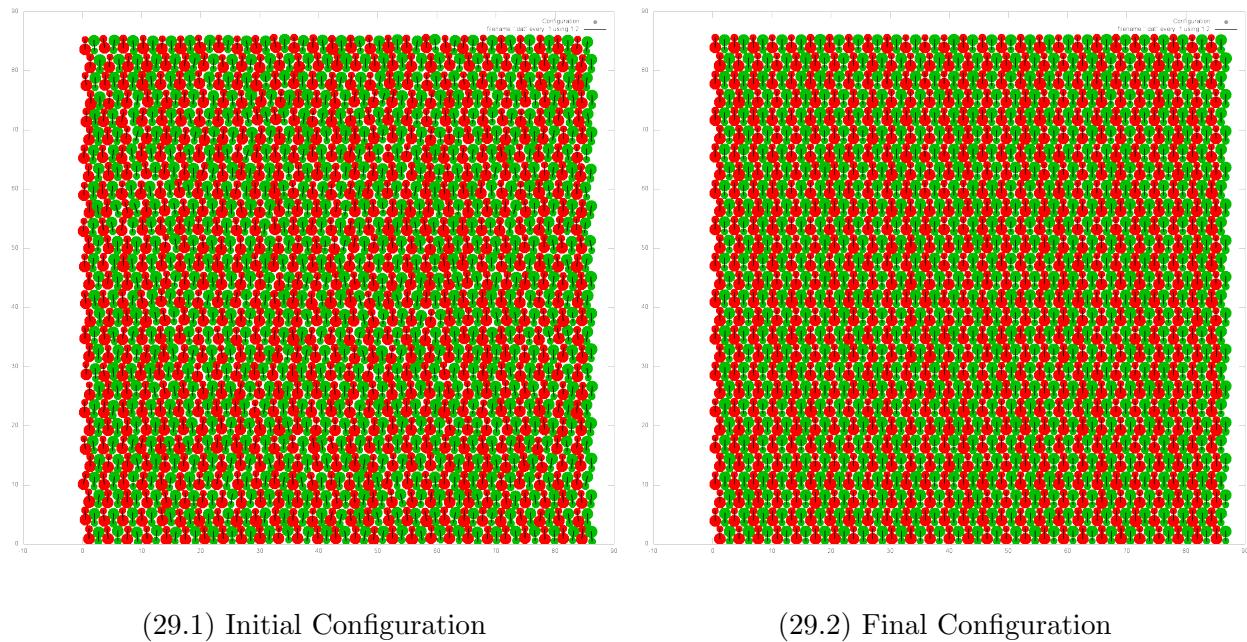
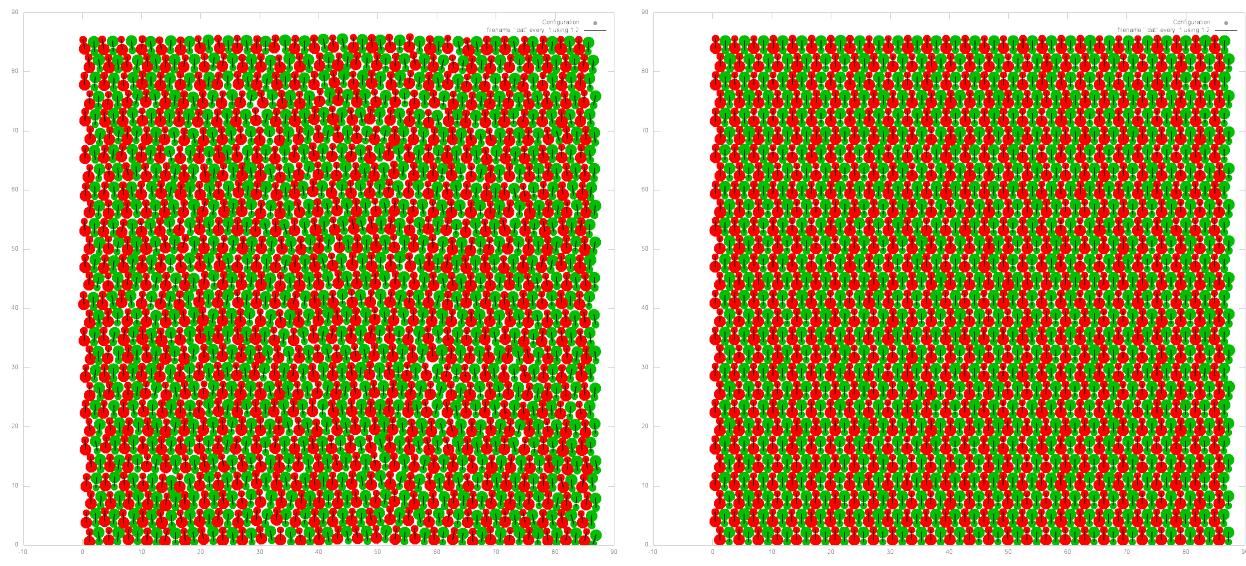


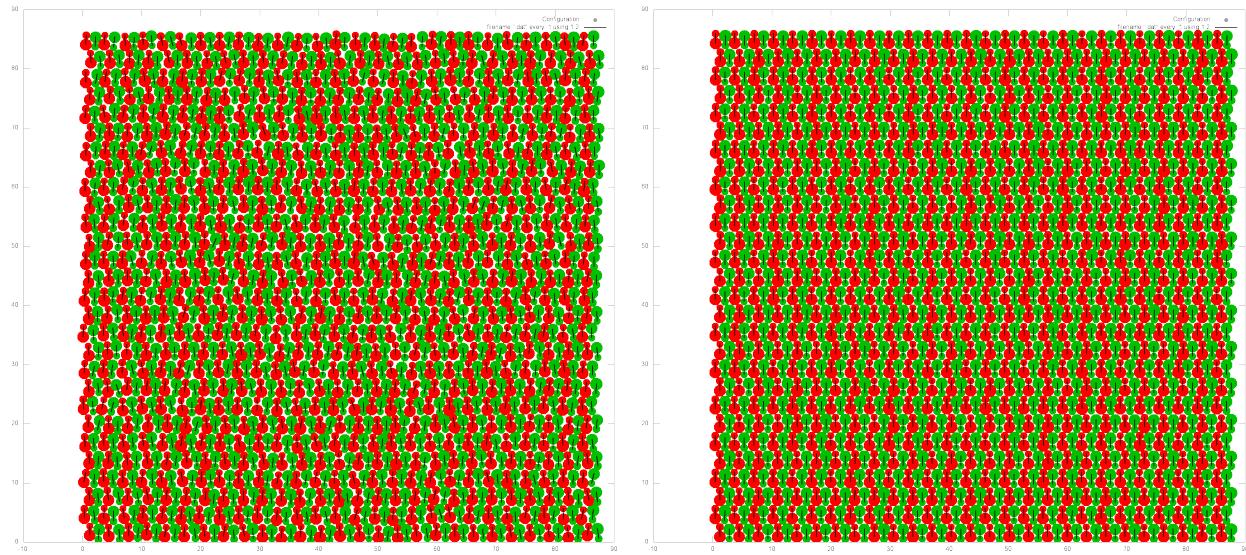
Figure 29: Snowman: Temp= 2.0, $r = 0.637556$, $d = 1.637556$, p2gg



(30.1) Initial Configuration

(30.2) Final Configuration

Figure 30: Snowman: Temp= 2.3, $r = 0.637556$, $d = 1.637556$, p2gg



(31.1) Initial Configuration

(31.2) Final Configuration

Figure 31: Snowman: Temp= 2.6, $r = 0.637556$, $d = 1.637556$, p2gg

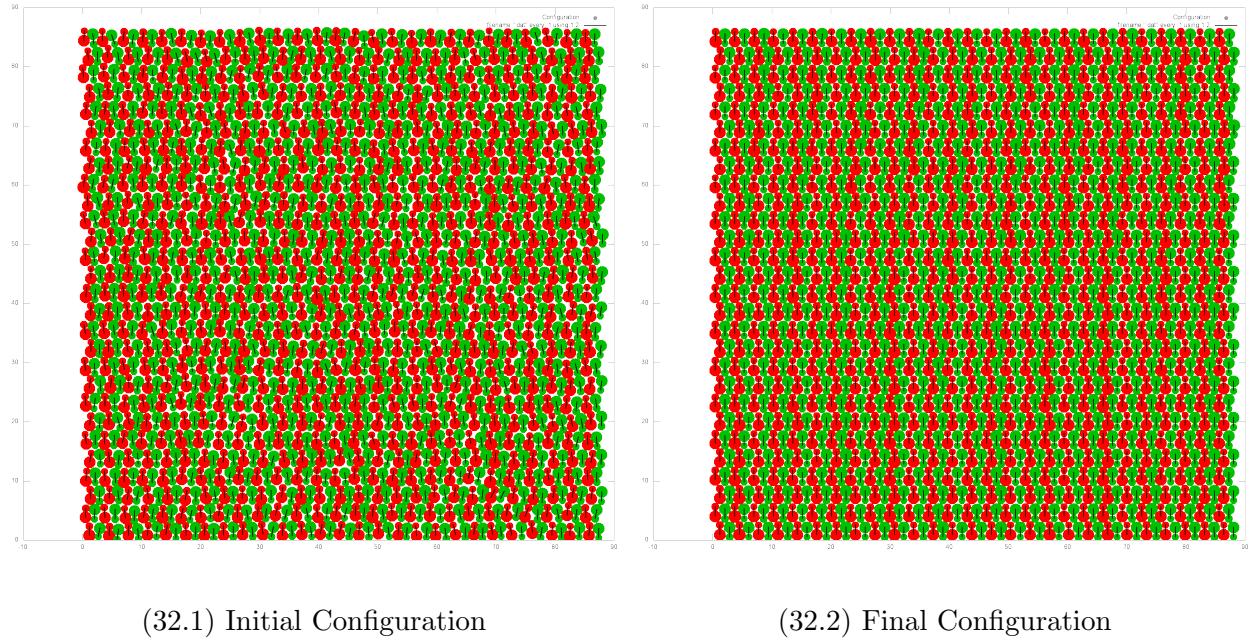


Figure 32: Snowman: Temp= 2.8, $r = 0.637556$, $d = 1.637556$, p2gg

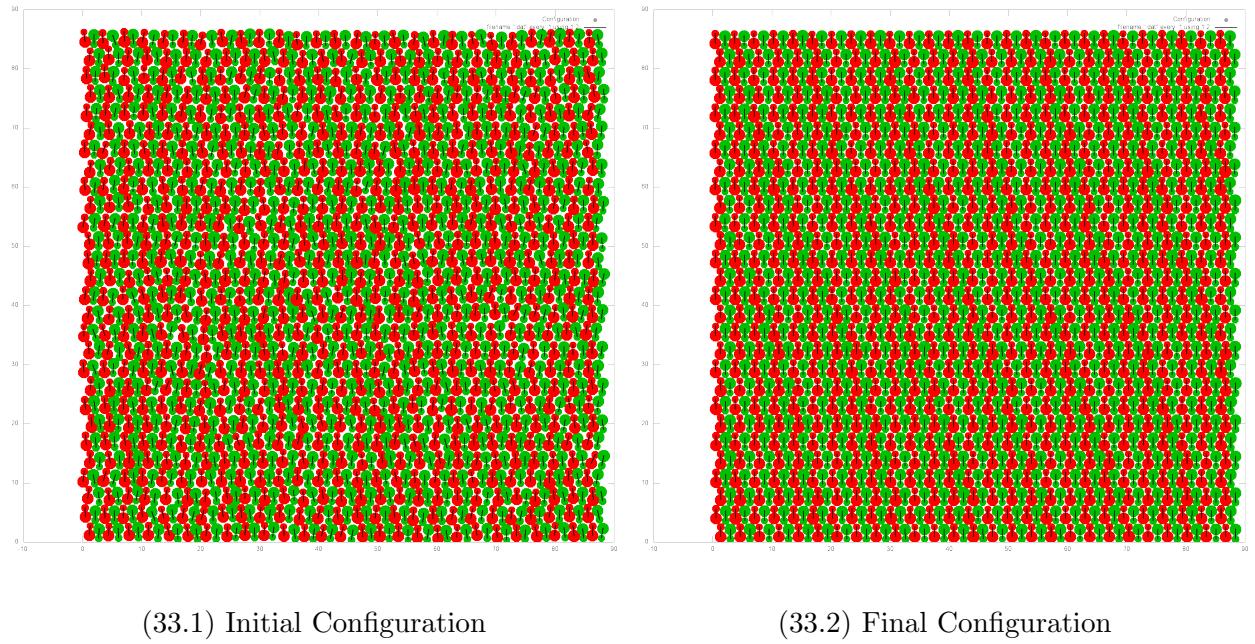


Figure 33: Snowman: Temp= 2.9, $r = 0.637556$, $d = 1.637556$, p2gg

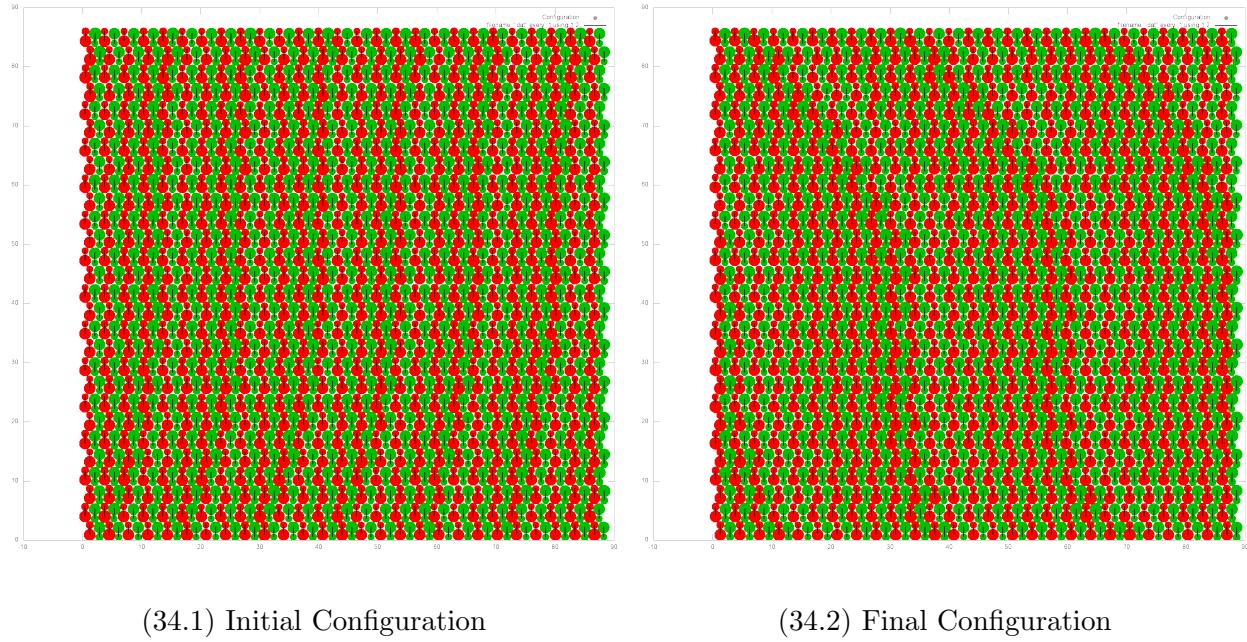


Figure 34: Snowman: Temp= 3.0, $r = 0.637556$, $d = 1.637556$, p2gg

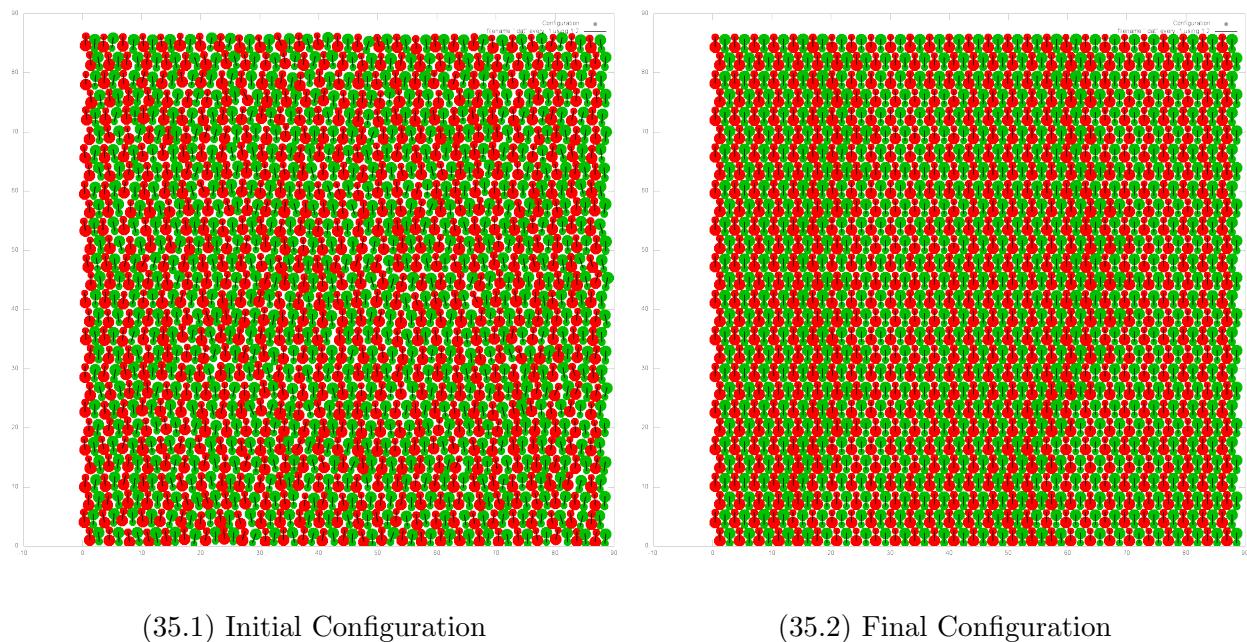
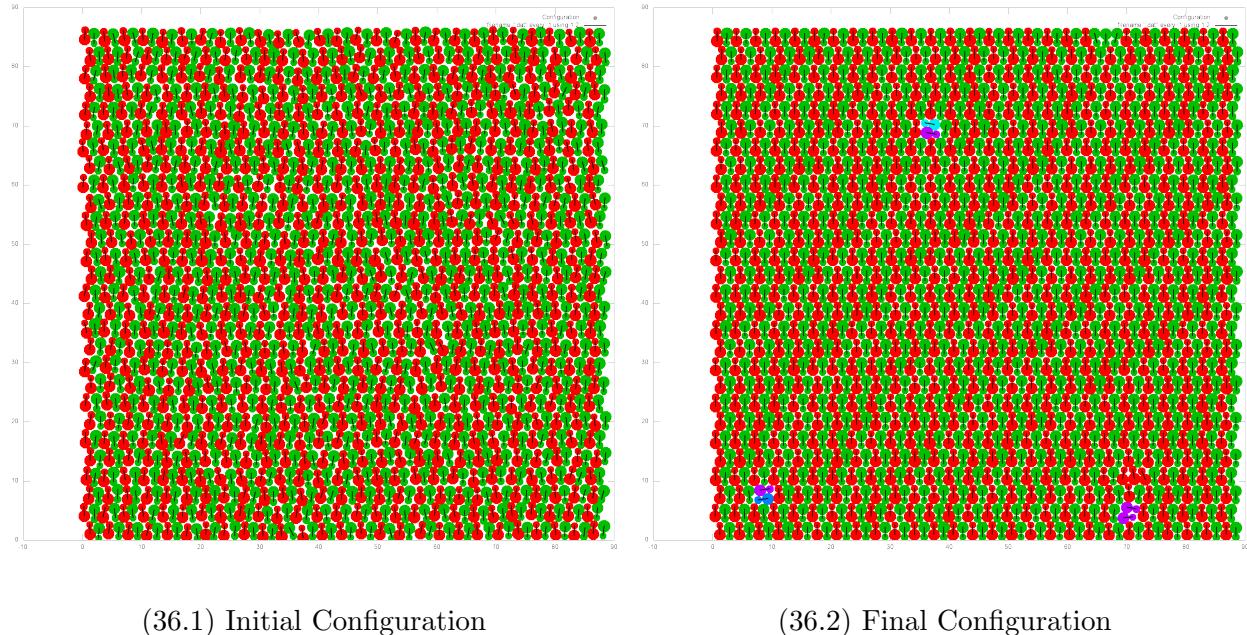


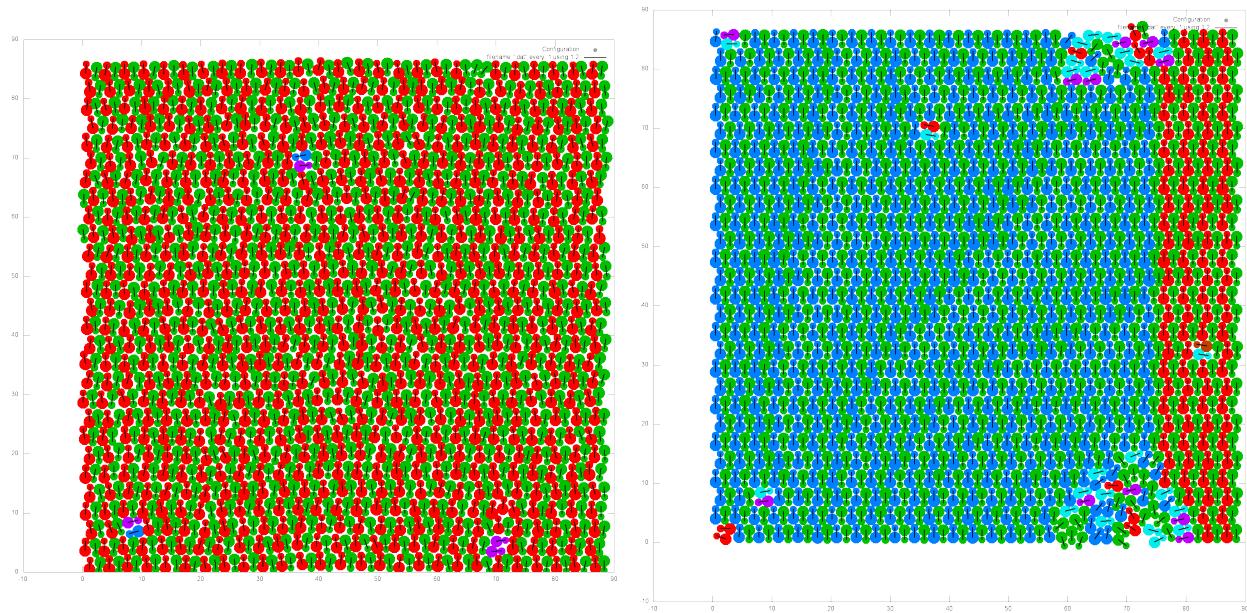
Figure 35: Snowman: Temp= 3.05, $r = 0.637556$, $d = 1.637556$, p2gg



(36.1) Initial Configuration

(36.2) Final Configuration

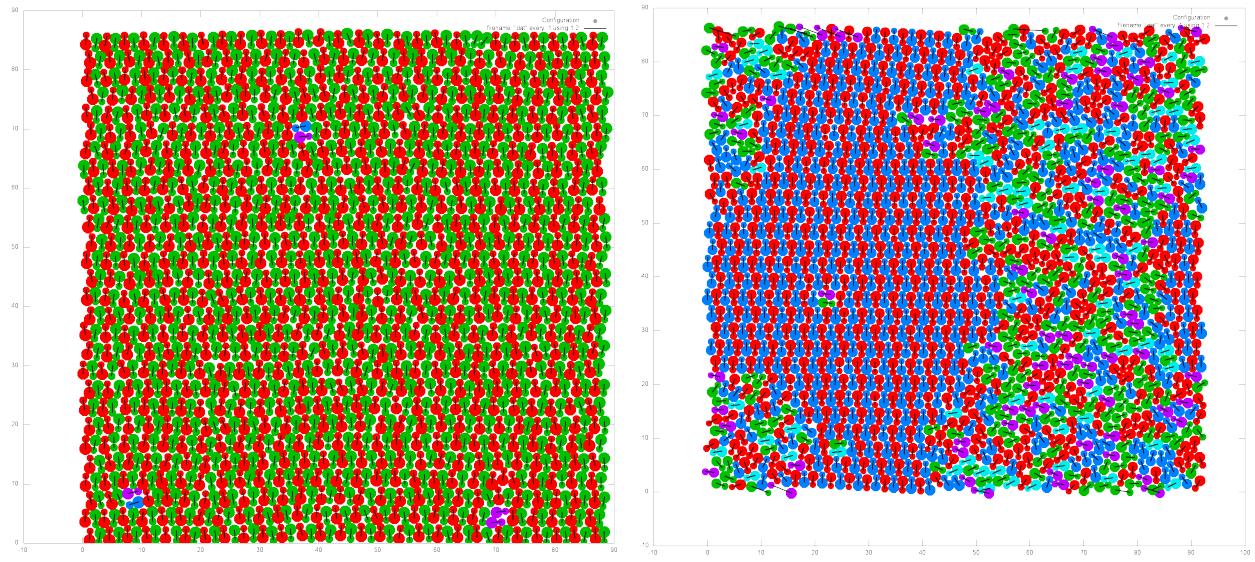
Figure 36: Snowman: Temp= 3.1, $r = 0.637556$, $d = 1.637556$, p2gg



(37.1) Initial Configuration

(37.2) Final Configuration

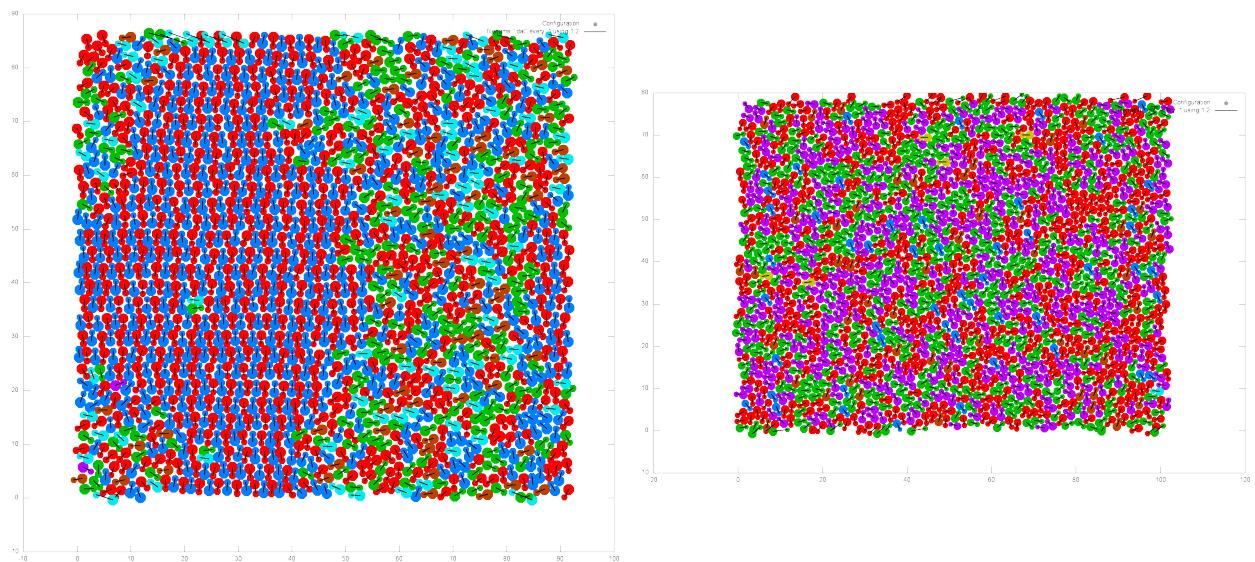
Figure 37: Snowman: Temp= 3.15, $r = 0.637556$, $d = 1.637556$, p2gg



(38.1) Initial Configuration

(38.2) Final Configuration

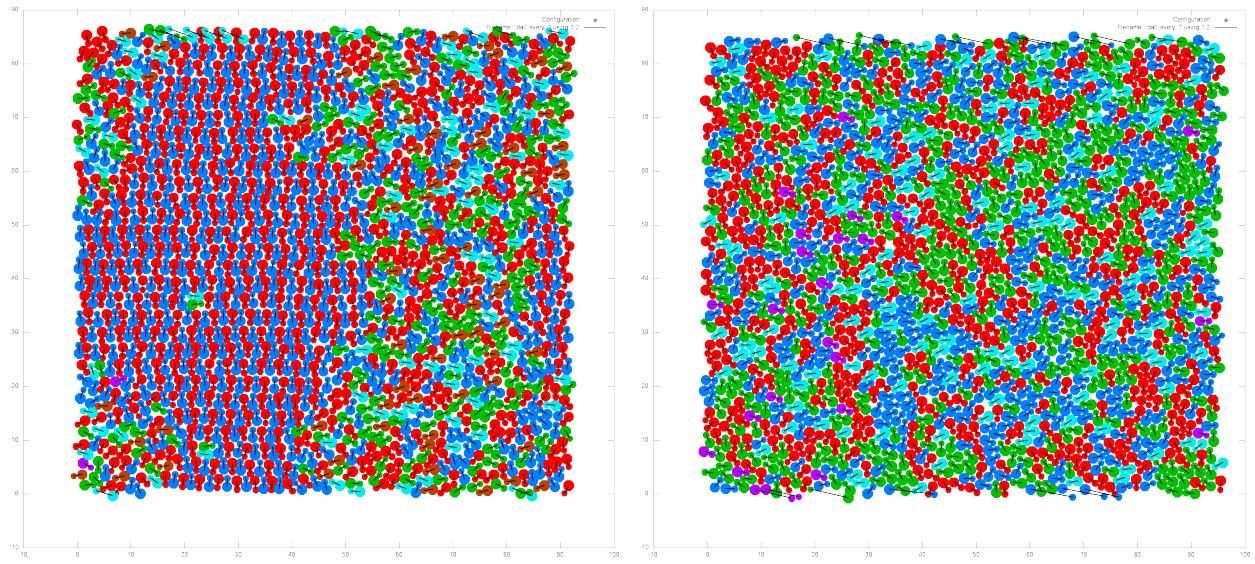
Figure 38: Snowman: Temp= 3.2, $r = 0.637556$, $d = 1.637556$, p2gg



(39.1) Initial Configuration

(39.2) Final Configuration

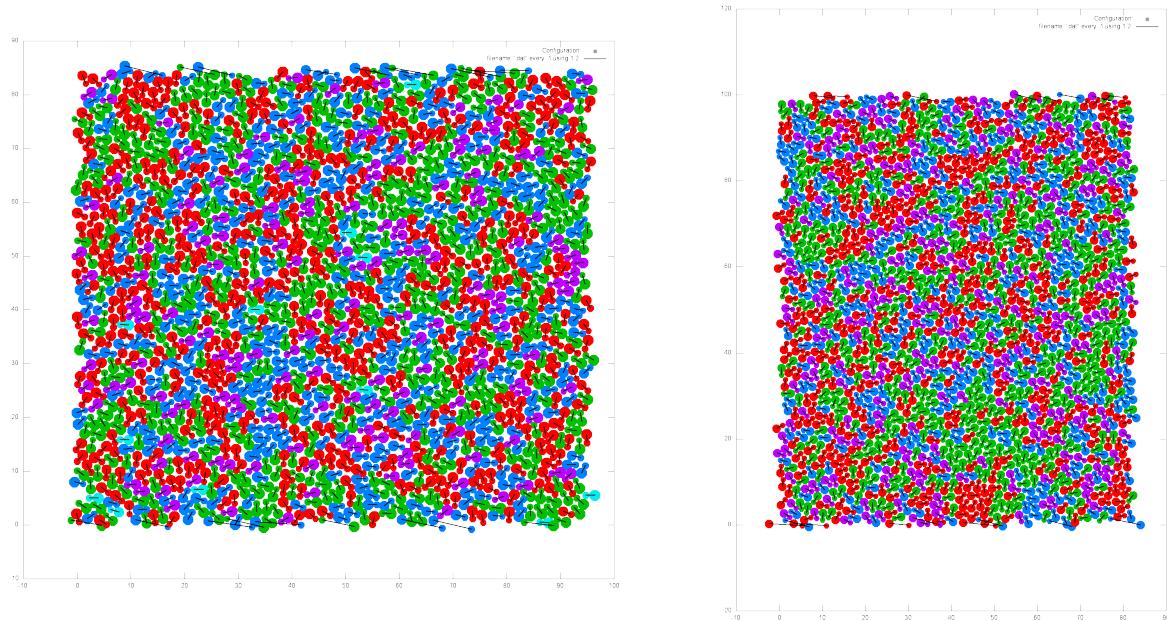
Figure 39: Snowman: Temp= 3.3, $r = 0.637556$, $d = 1.637556$, p2gg



(40.1) Initial Configuration

(40.2) Final Configuration

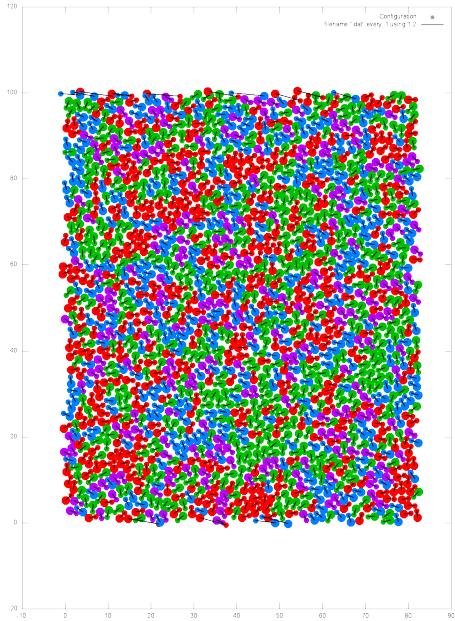
Figure 40: Snowman: Temp= 3.5, $r = 0.637556$, $d = 1.637556$, p2gg



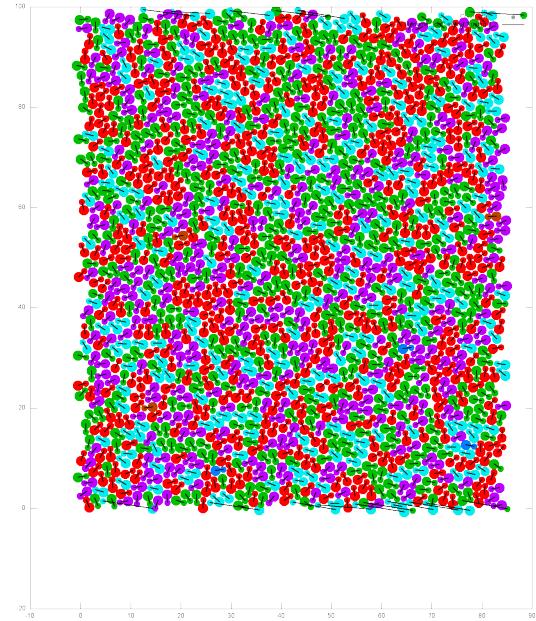
(41.1) Initial Configuration

(41.2) Final Configuration

Figure 41: Snowman: Temp= 4.0, $r = 0.637556$, $d = 1.637556$, p2gg

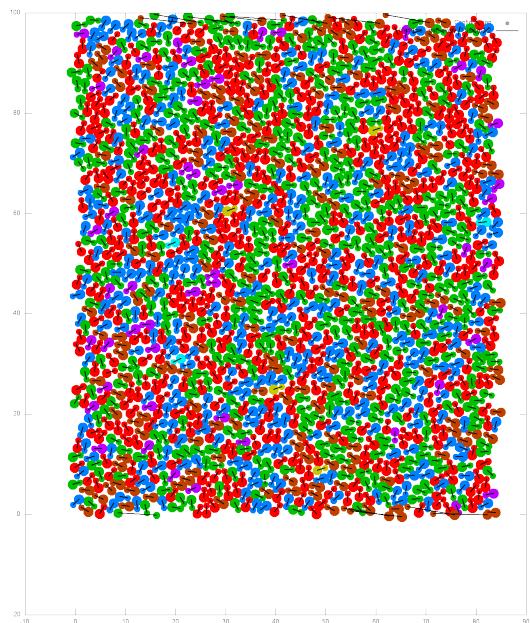


(42.1) Initial Configuration

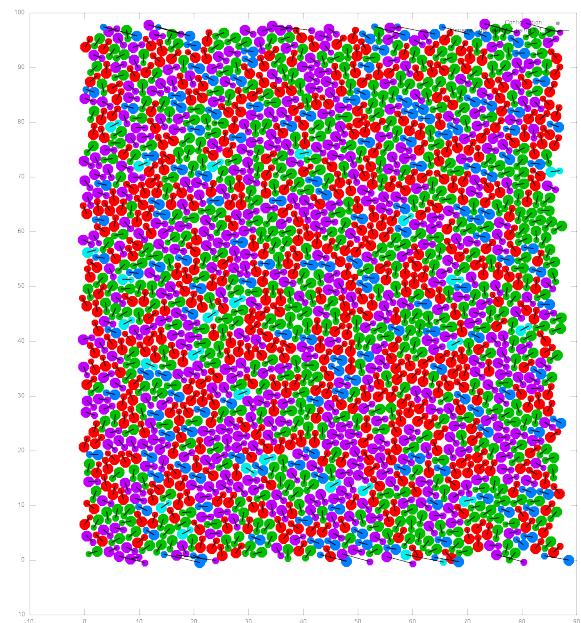


(42.2) Final Configuration

Figure 42: Snowman: Temp= 4.5, $r = 0.637556$, $d = 1.637556$, p2gg



(43.1) Initial Configuration



(43.2) Final Configuration

Figure 43: Snowman: Temp= 5.0, $r = 0.637556$, $d = 1.637556$, p2gg

3 Angle Distribution

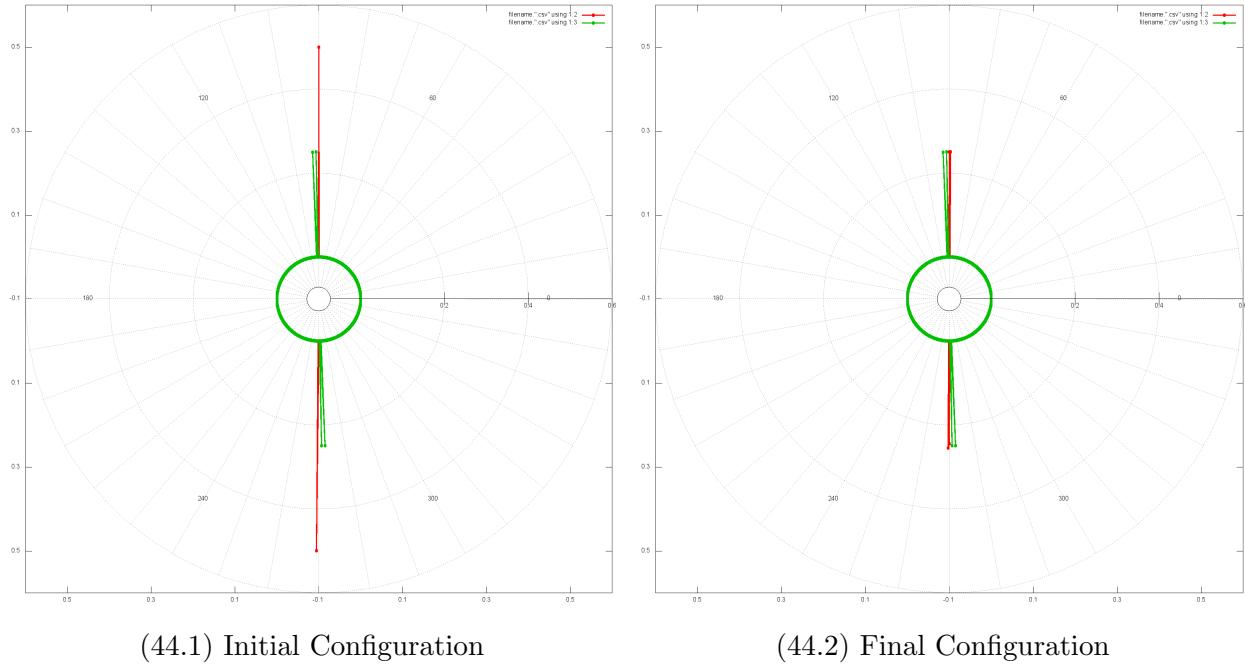


Figure 44: Snowman: Temp= 0.2, $r = 0.637556$, $d = 1.637556$, p2gg

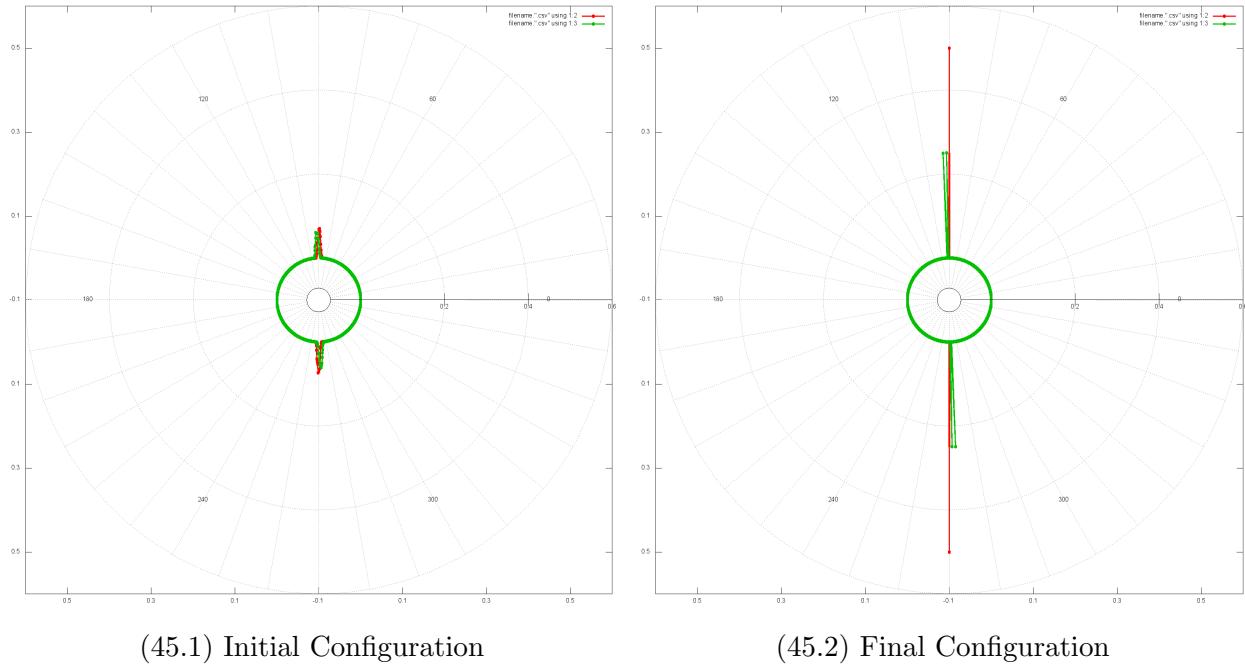
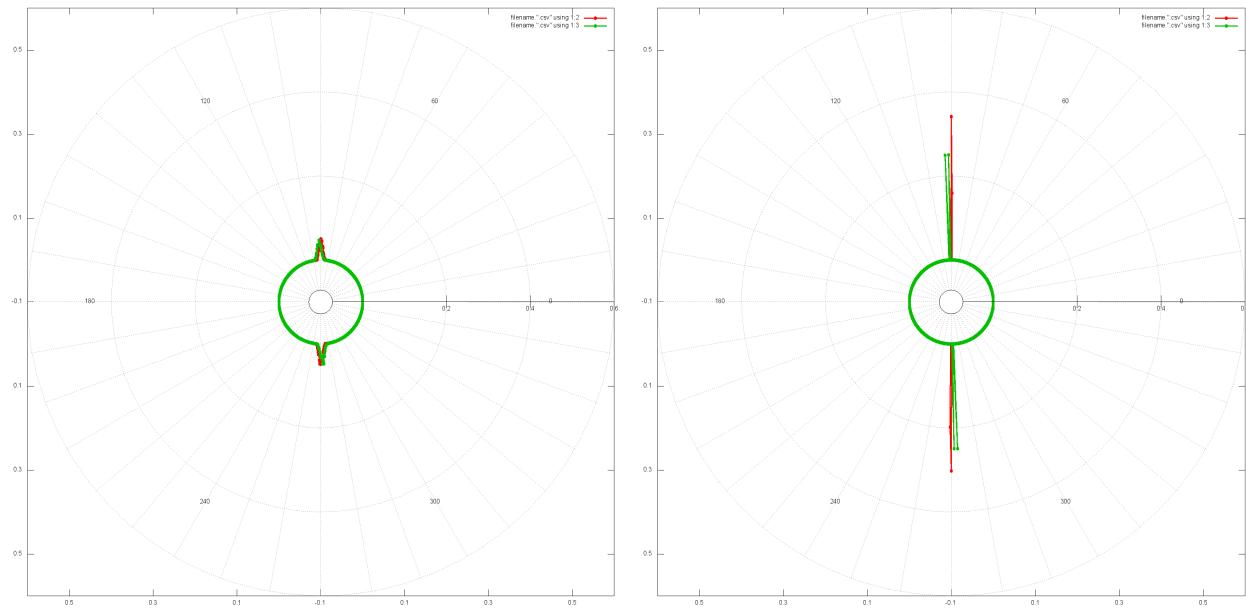


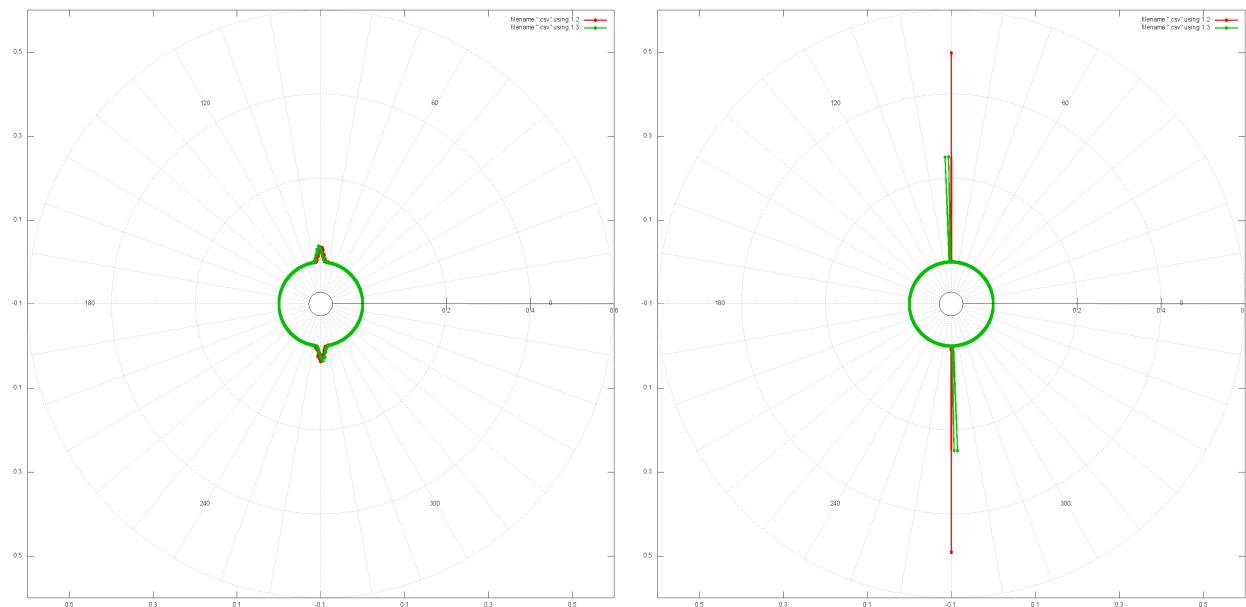
Figure 45: Snowman: Temp= 0.5, $r = 0.637556$, $d = 1.637556$, p2gg



(46.1) Initial Configuration

(46.2) Final Configuration

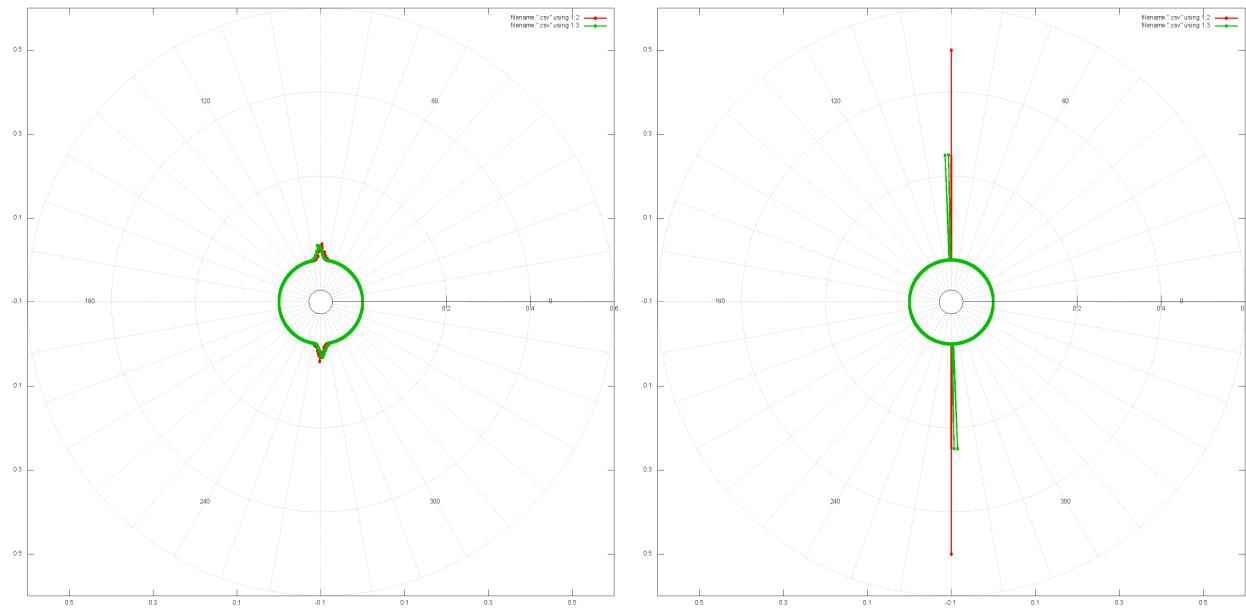
Figure 46: Snowman: Temp= 0.8, $r = 0.637556$, $d = 1.637556$, p2gg



(47.1) Initial Configuration

(47.2) Final Configuration

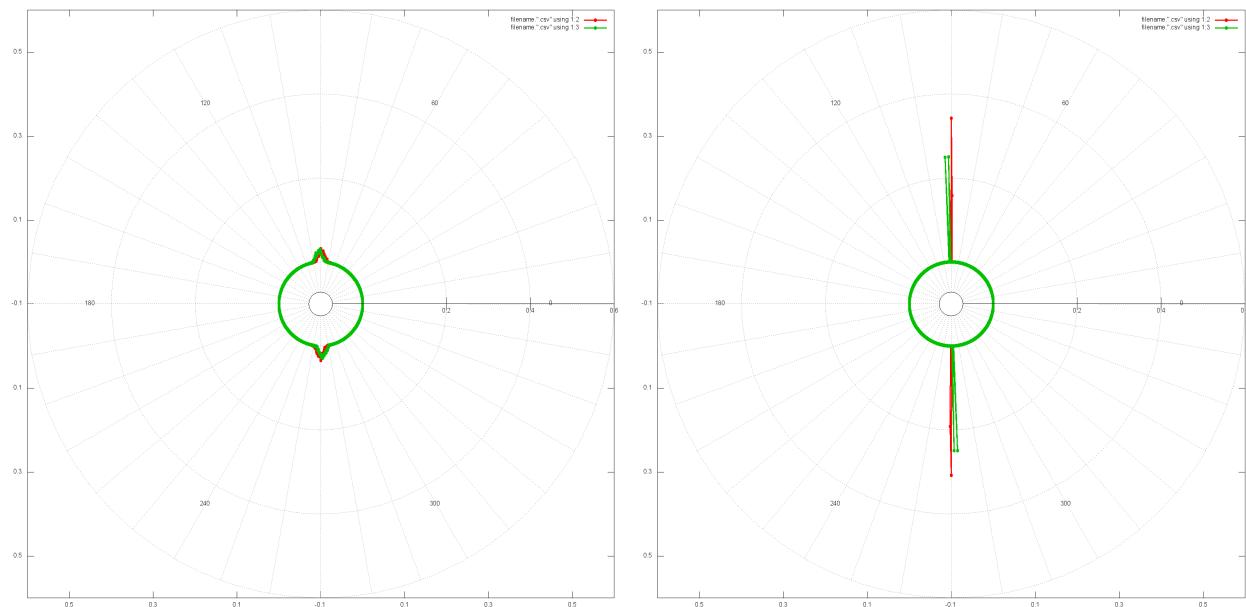
Figure 47: Snowman: Temp= 1.0, $r = 0.637556$, $d = 1.637556$, p2gg



(48.1) Initial Configuration

(48.2) Final Configuration

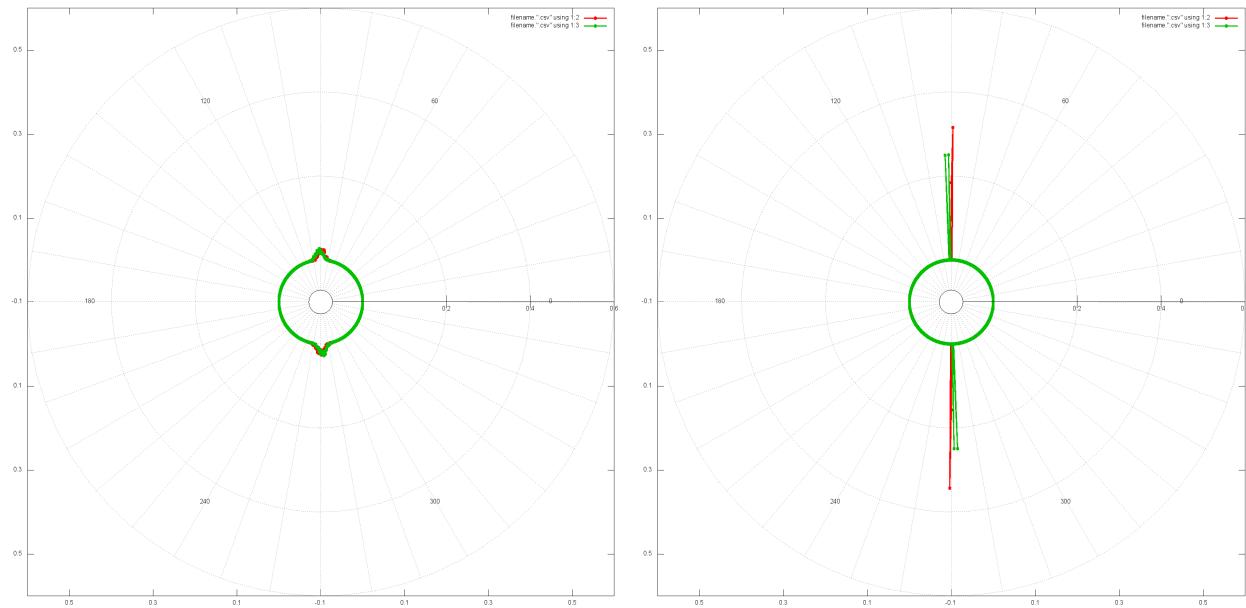
Figure 48: Snowman: Temp= 1.3, $r = 0.637556$, $d = 1.637556$, p2gg



(49.1) Initial Configuration

(49.2) Final Configuration

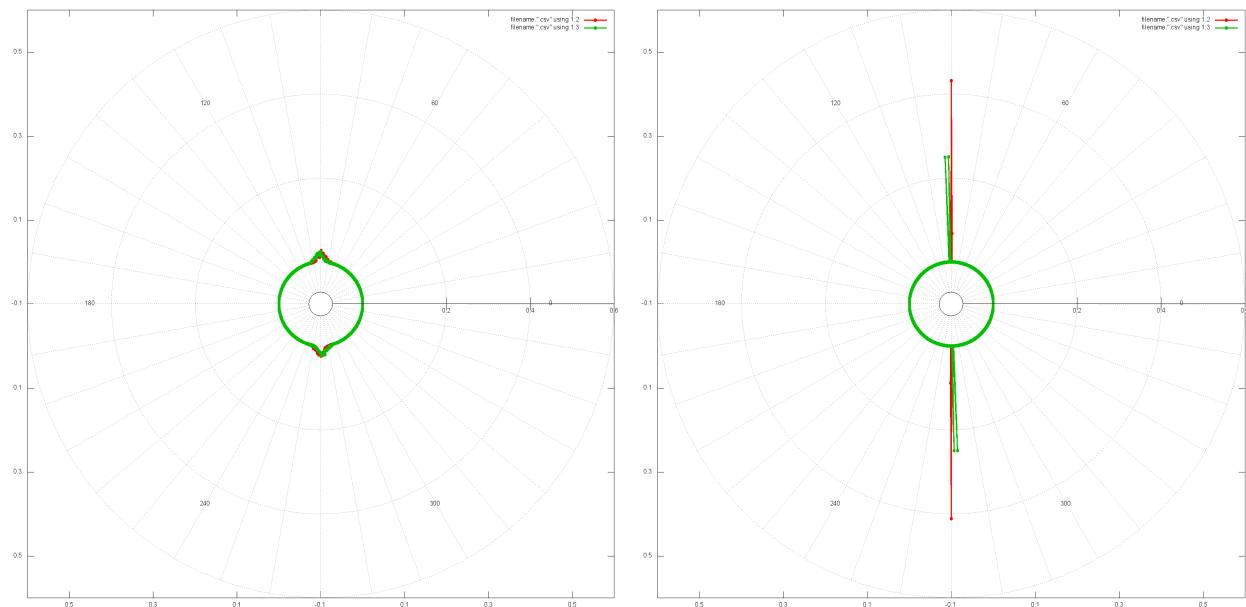
Figure 49: Snowman: Temp= 1.6, $r = 0.637556$, $d = 1.637556$, p2gg



(50.1) Initial Configuration

(50.2) Final Configuration

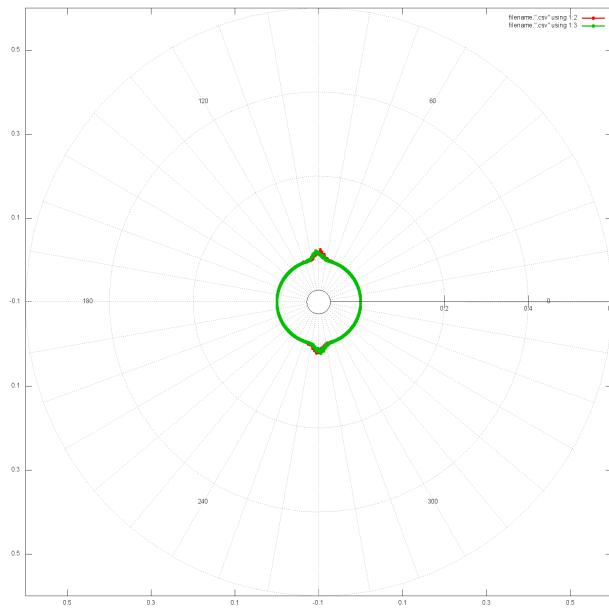
Figure 50: Snowman: Temp= 2.0, $r = 0.637556$, $d = 1.637556$, p2gg



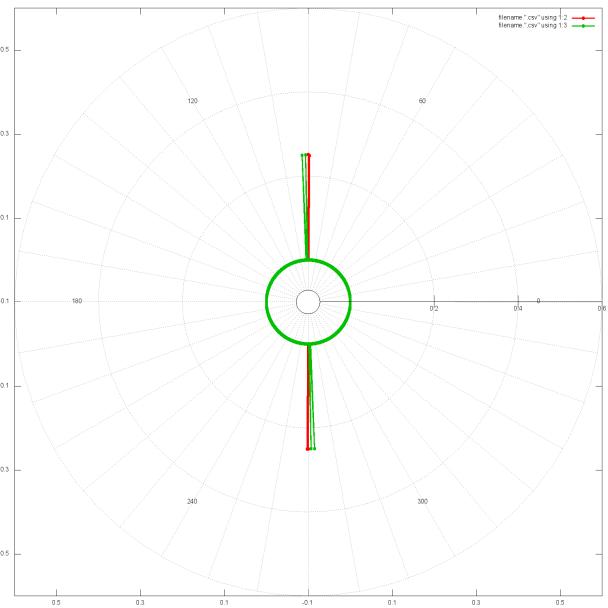
(51.1) Initial Configuration

(51.2) Final Configuration

Figure 51: Snowman: Temp= 2.3, $r = 0.637556$, $d = 1.637556$, p2gg

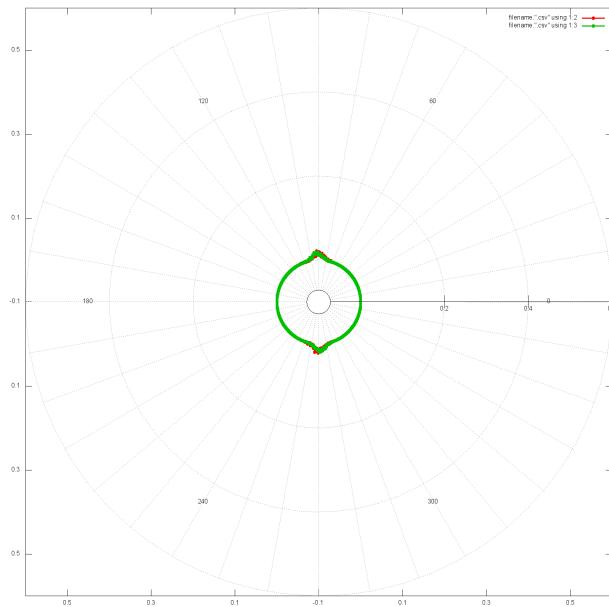


(52.1) Initial Configuration

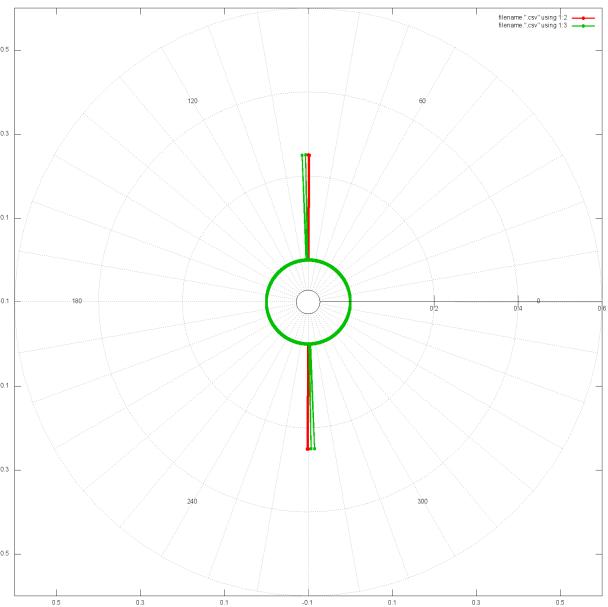


(52.2) Final Configuration

Figure 52: Snowman: Temp= 2.6, $r = 0.637556$, $d = 1.637556$, p2gg

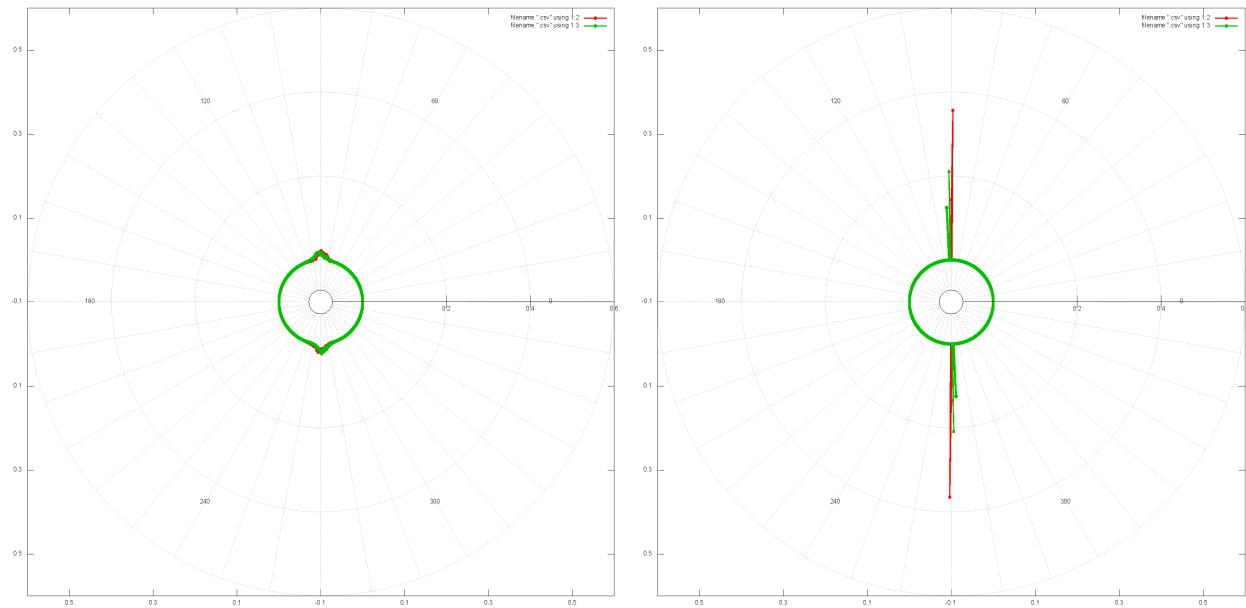


(53.1) Initial Configuration



(53.2) Final Configuration

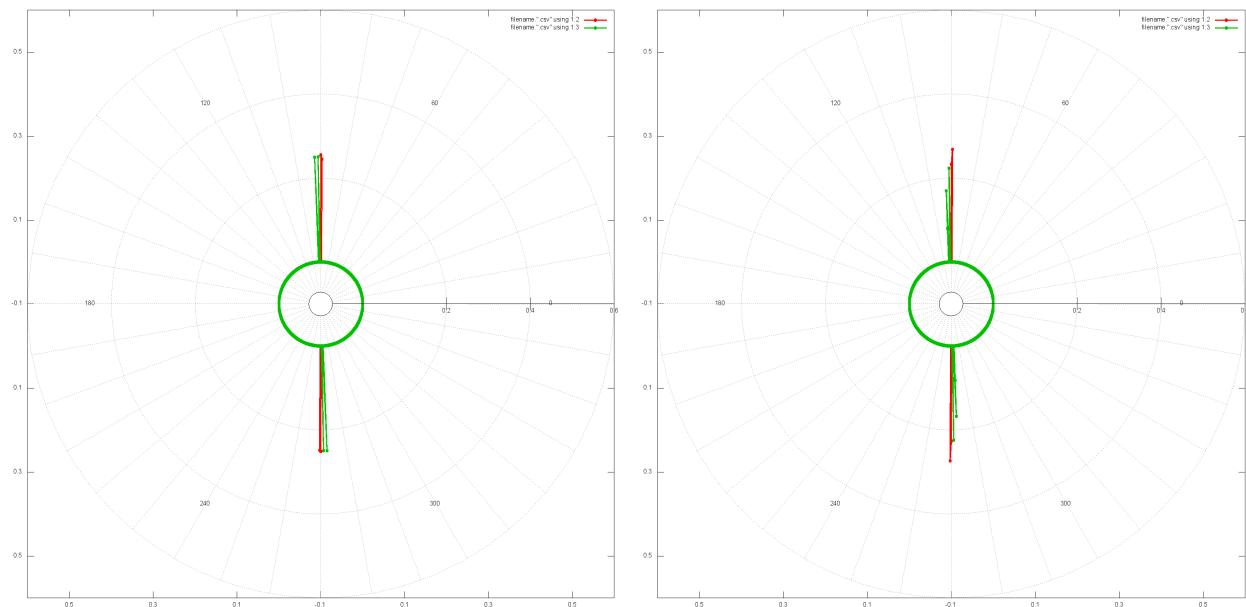
Figure 53: Snowman: Temp= 2.8, $r = 0.637556$, $d = 1.637556$, p2gg



(54.1) Initial Configuration

(54.2) Final Configuration

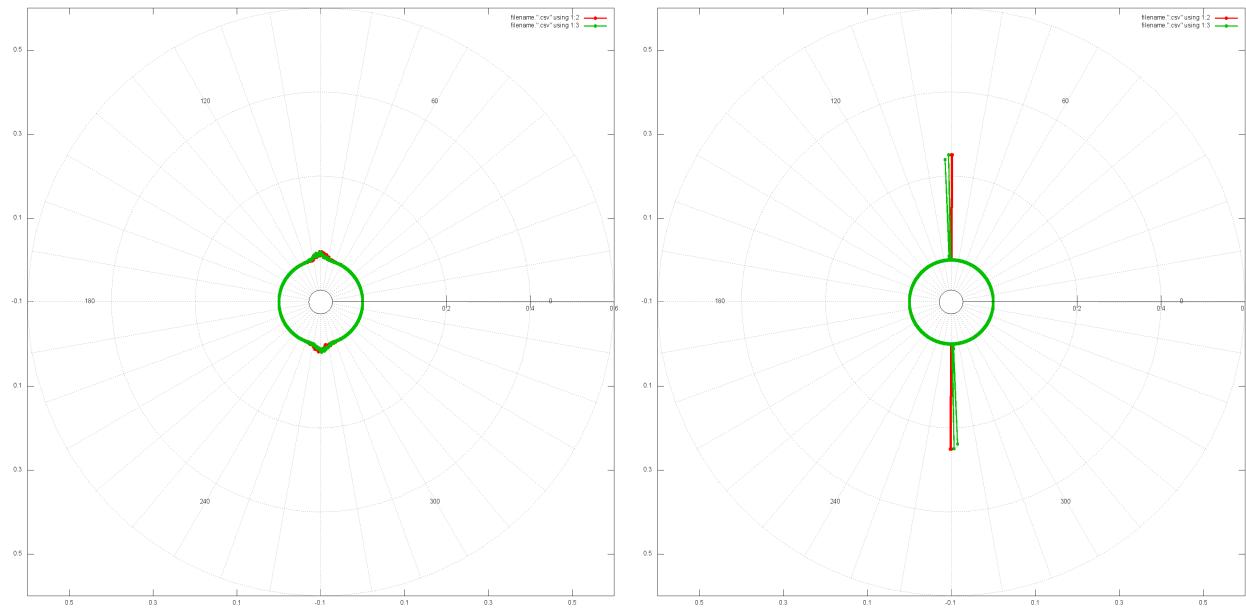
Figure 54: Snowman: Temp= 2.9, $r = 0.637556$, $d = 1.637556$, p2gg



(55.1) Initial Configuration

(55.2) Final Configuration

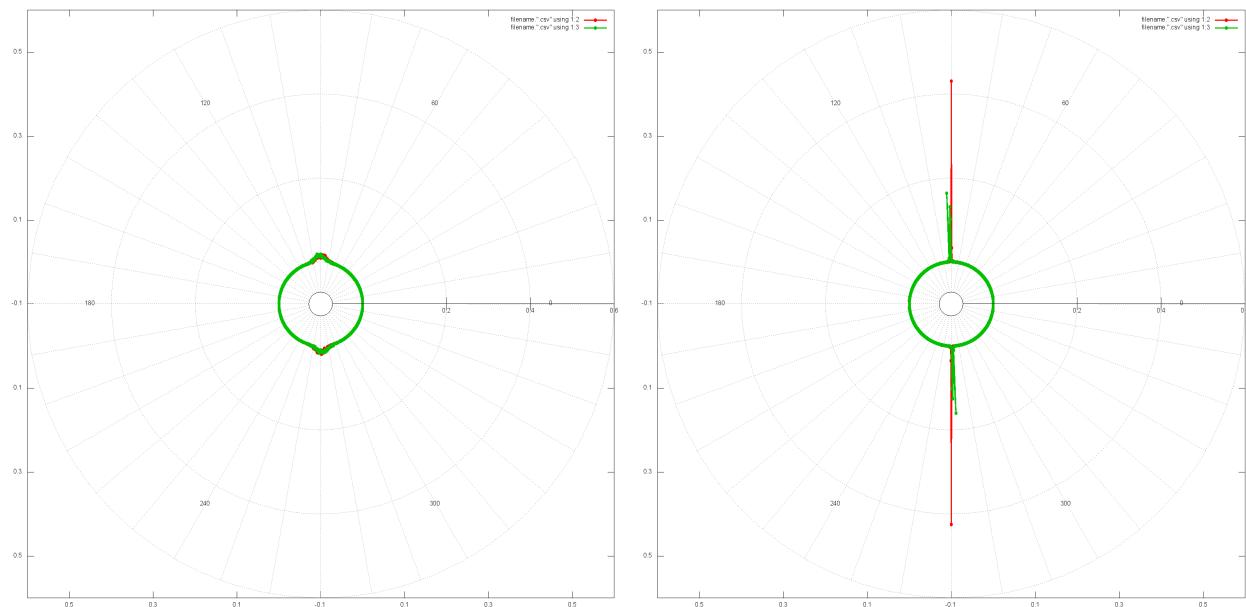
Figure 55: Snowman: Temp= 3.0, $r = 0.637556$, $d = 1.637556$, p2gg



(56.1) Initial Configuration

(56.2) Final Configuration

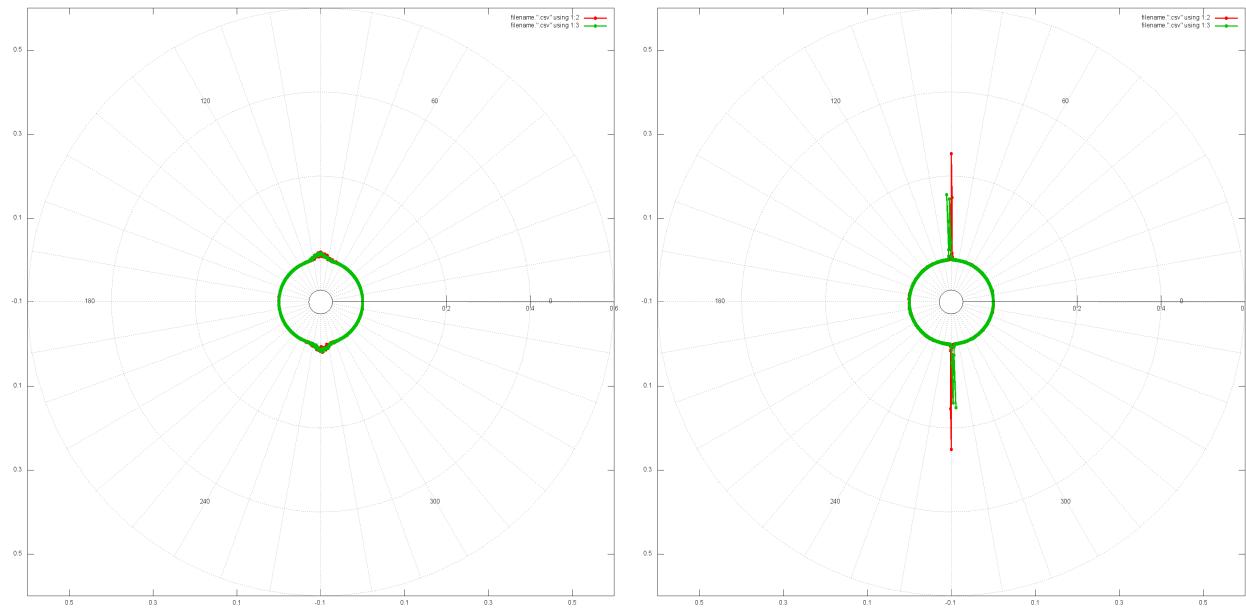
Figure 56: Snowman: Temp= 3.05, $r = 0.637556$, $d = 1.637556$, p2gg



(57.1) Initial Configuration

(57.2) Final Configuration

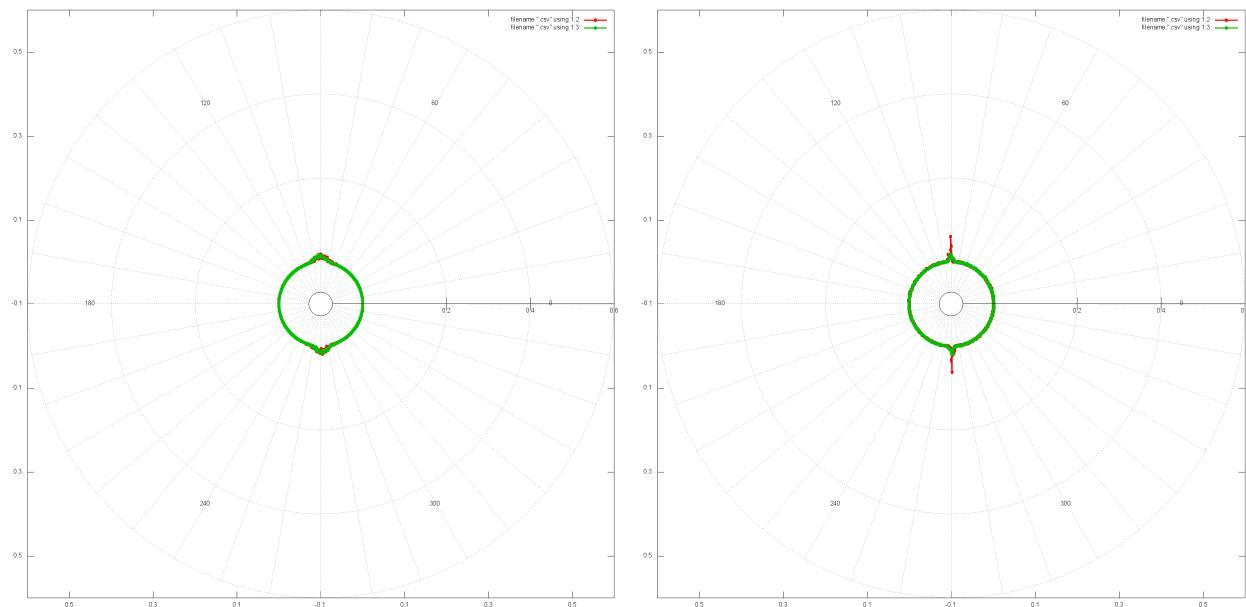
Figure 57: Snowman: Temp= 3.1, $r = 0.637556$, $d = 1.637556$, p2gg



(58.1) Initial Configuration

(58.2) Final Configuration

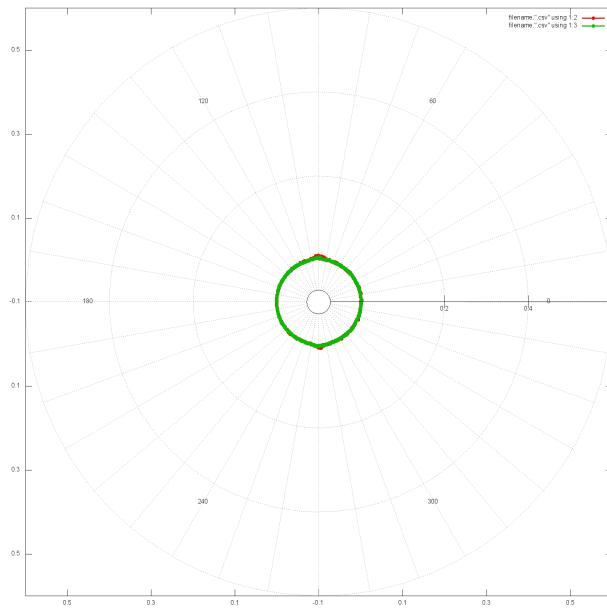
Figure 58: Snowman: Temp= 3.15, $r = 0.637556$, $d = 1.637556$, p2gg



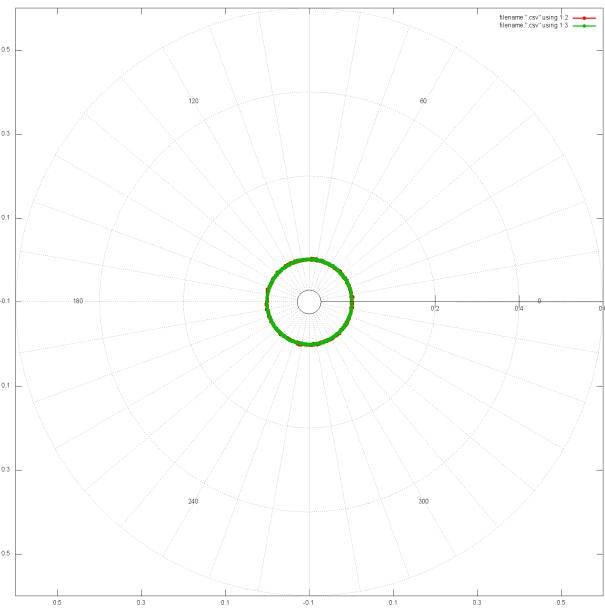
(59.1) Initial Configuration

(59.2) Final Configuration

Figure 59: Snowman: Temp= 3.2, $r = 0.637556$, $d = 1.637556$, p2gg

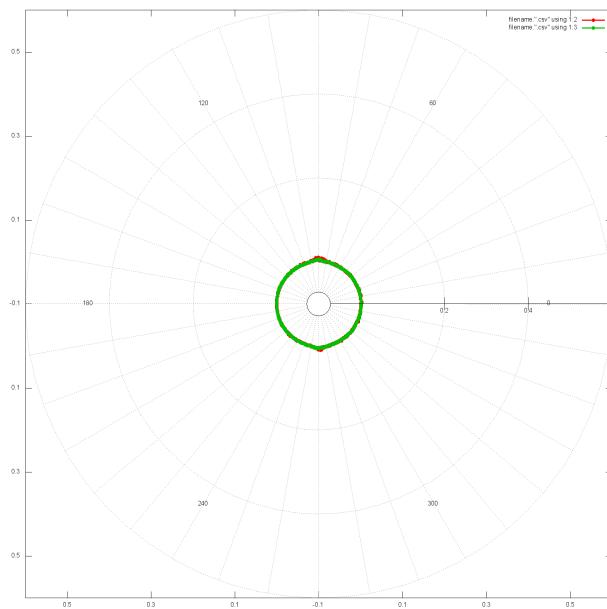


(60.1) Initial Configuration

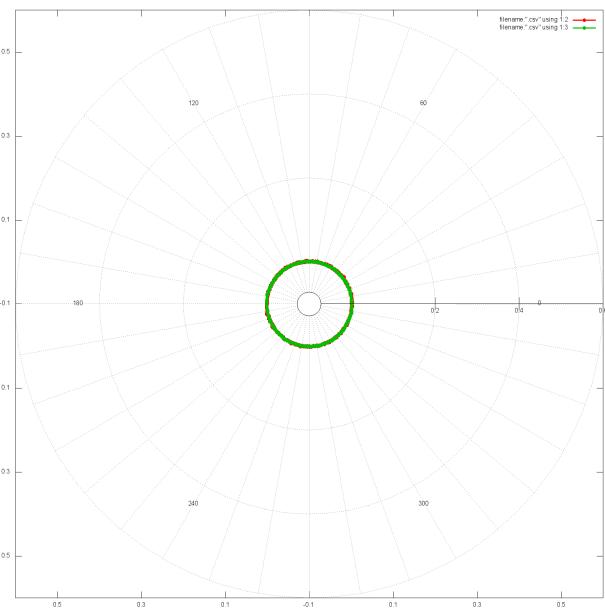


(60.2) Final Configuration

Figure 60: Snowman: Temp= 3.3, $r = 0.637556$, $d = 1.637556$, p2gg

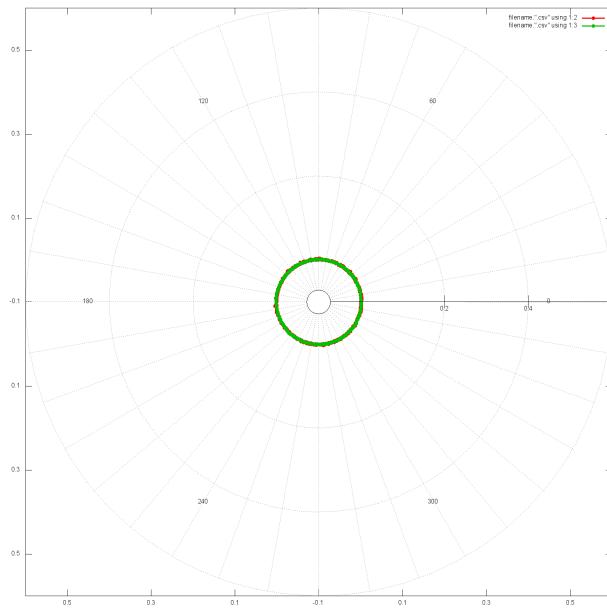


(61.1) Initial Configuration

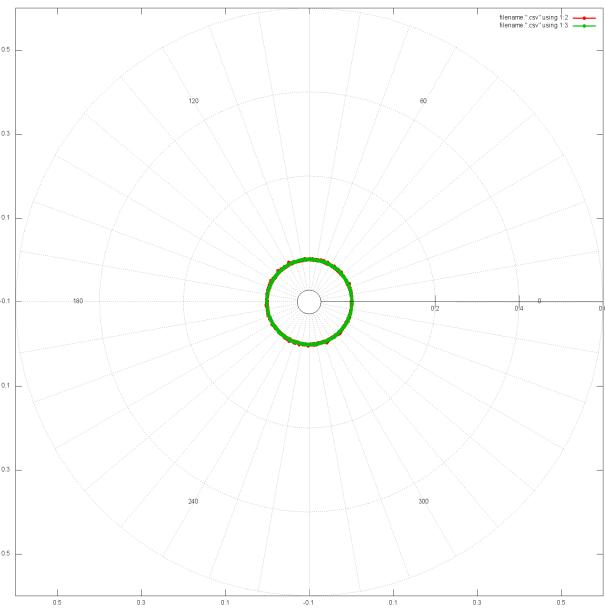


(61.2) Final Configuration

Figure 61: Snowman: Temp= 3.5, $r = 0.637556$, $d = 1.637556$, p2gg

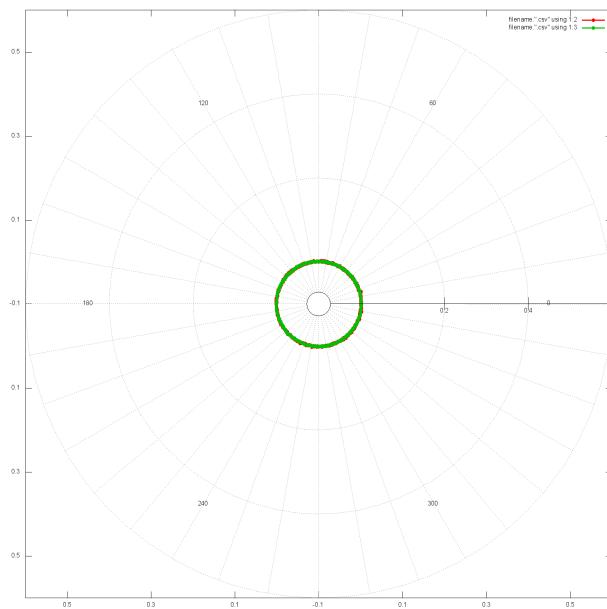


(62.1) Initial Configuration

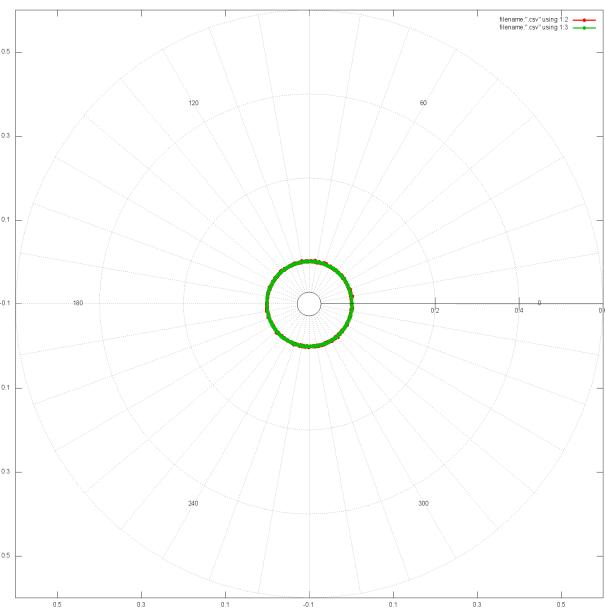


(62.2) Final Configuration

Figure 62: Snowman: Temp= 4.0, $r = 0.637556$, $d = 1.637556$, p2gg

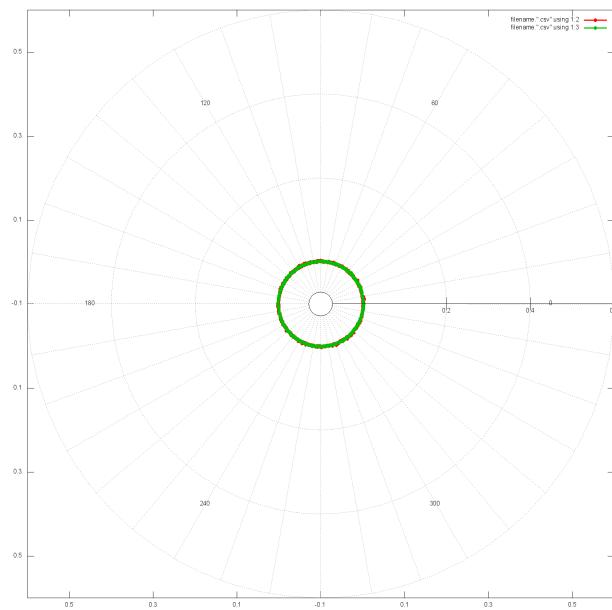


(63.1) Initial Configuration

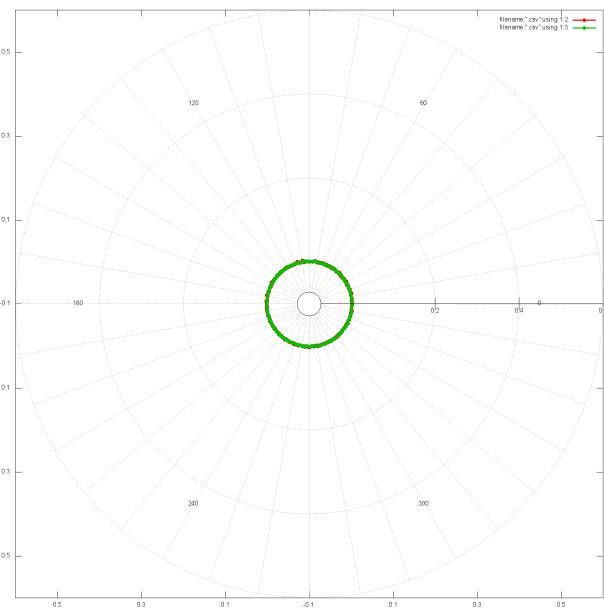


(63.2) Final Configuration

Figure 63: Snowman: Temp= 4.5, $r = 0.637556$, $d = 1.637556$, p2gg



(64.1) Initial Configuration



(64.2) Final Configuration

Figure 64: Snowman: Temp= 5.0, $r = 0.637556$, $d = 1.637556$, p2gg

4 Short Range Ordering

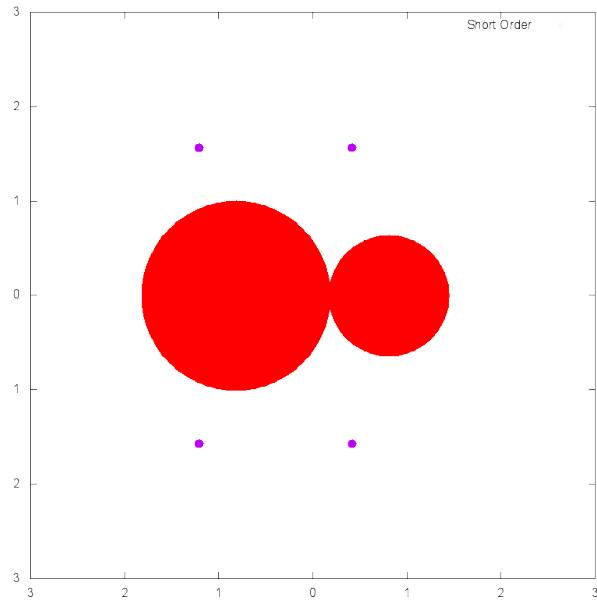


Figure 65: Snowman: Temp= 0.2, $r = 0.637556$, $d = 1.637556$, p2gg

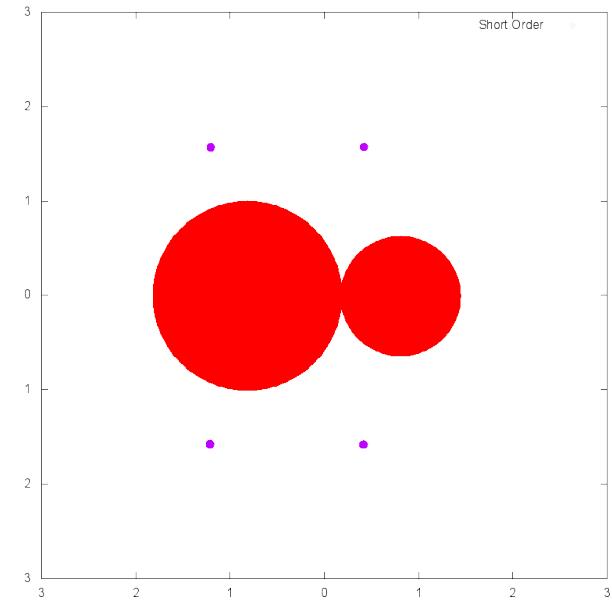


Figure 66: Snowman: Temp= 0.5, $r = 0.637556$, $d = 1.637556$, p2gg

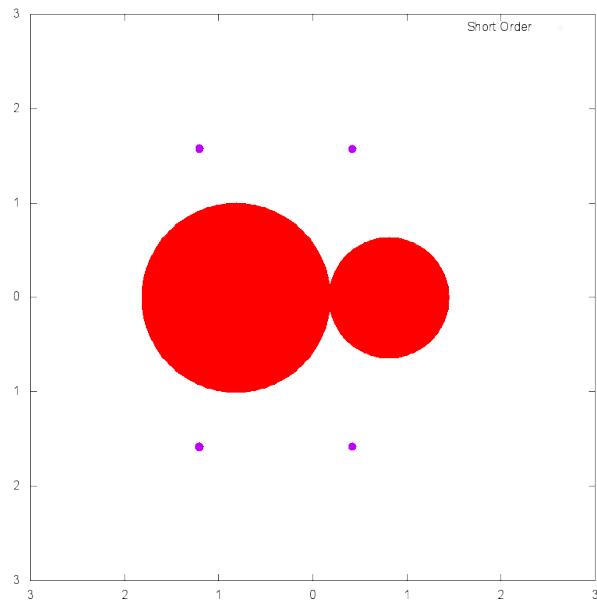


Figure 67: Snowman: Temp= 0.8, $r = 0.637556$, $d = 1.637556$, p2gg

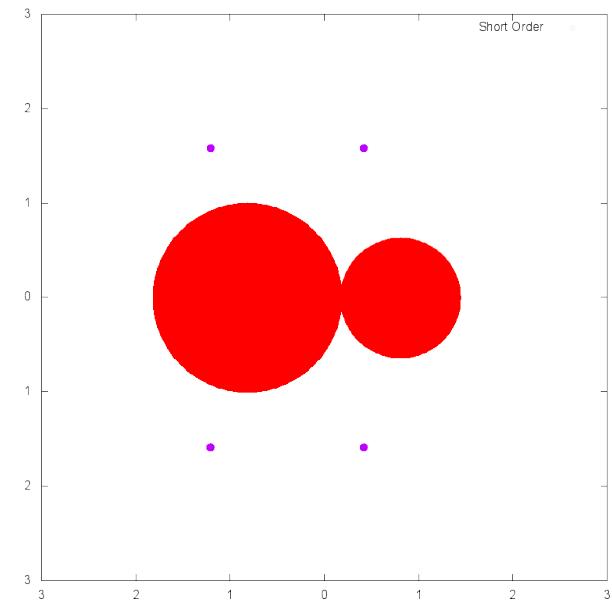


Figure 68: Snowman: Temp= 1.0, $r = 0.637556$, $d = 1.637556$, p2gg

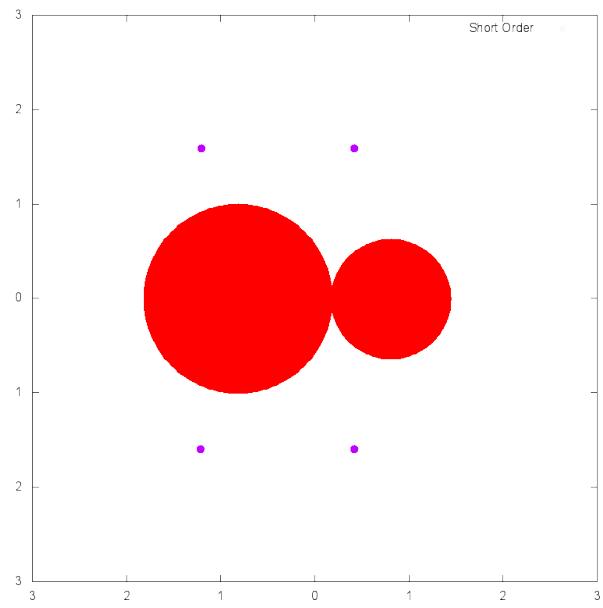


Figure 69: Snowman: Temp= 1.3, $r = 0.637556$, $d = 1.637556$, p2gg

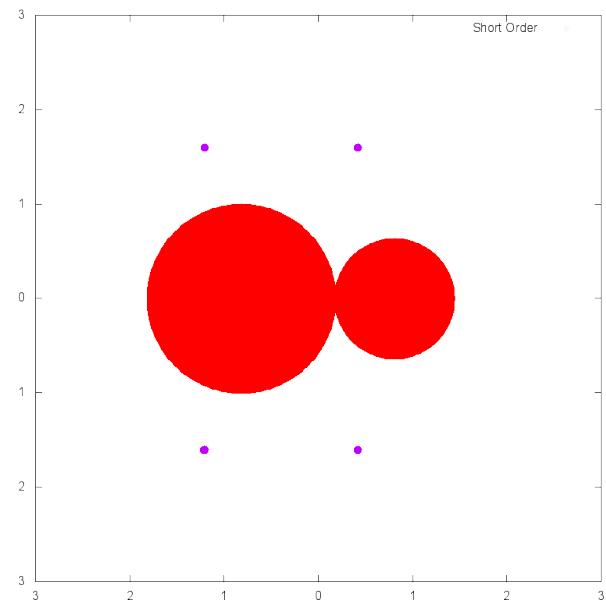


Figure 70: Snowman: Temp= 1.6, $r = 0.637556$, $d = 1.637556$, p2gg

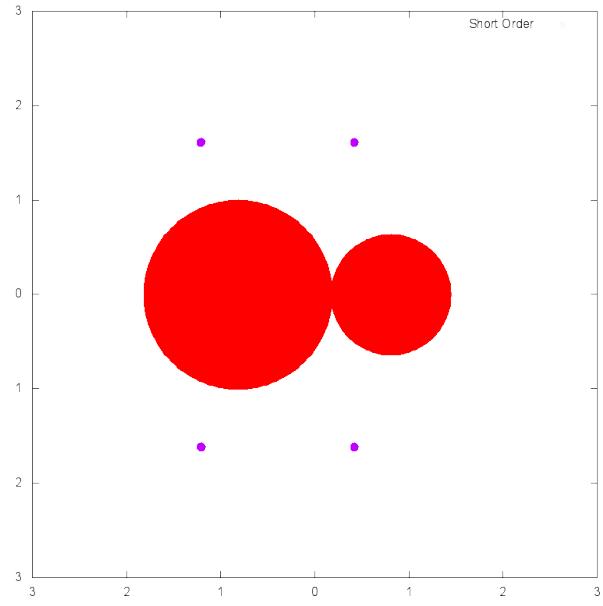
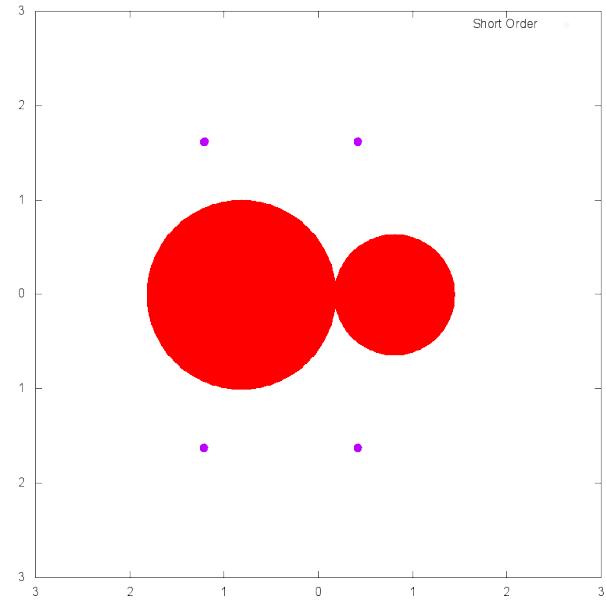


Figure 71: Snowman: Temp= 2.0, $r = 0.637556$, $d = 1.637556$, p2gg



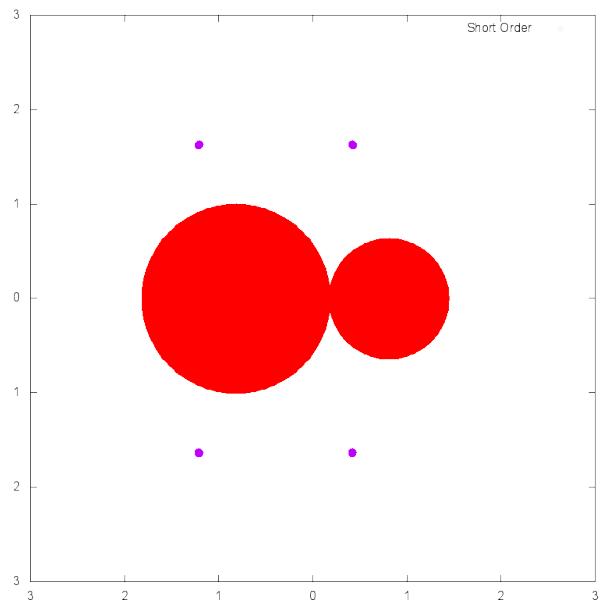


Figure 73: Snowman: Temp= 2.6, $r = 0.637556$, $d = 1.637556$, p2gg

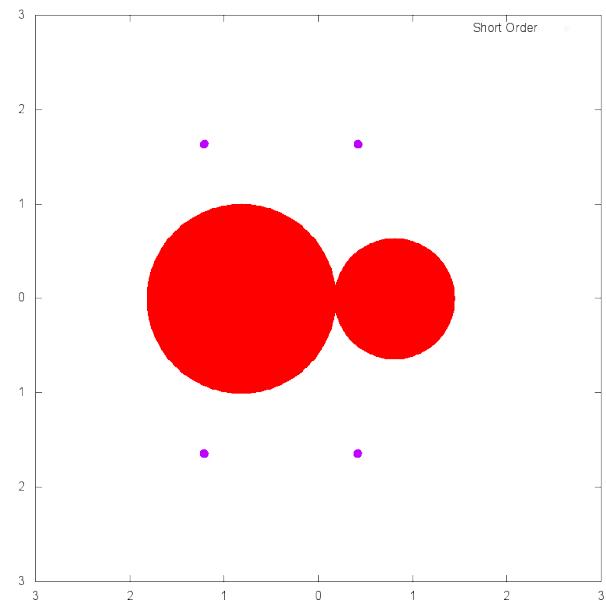


Figure 74: Snowman: Temp= 2.8, $r = 0.637556$, $d = 1.637556$, p2gg

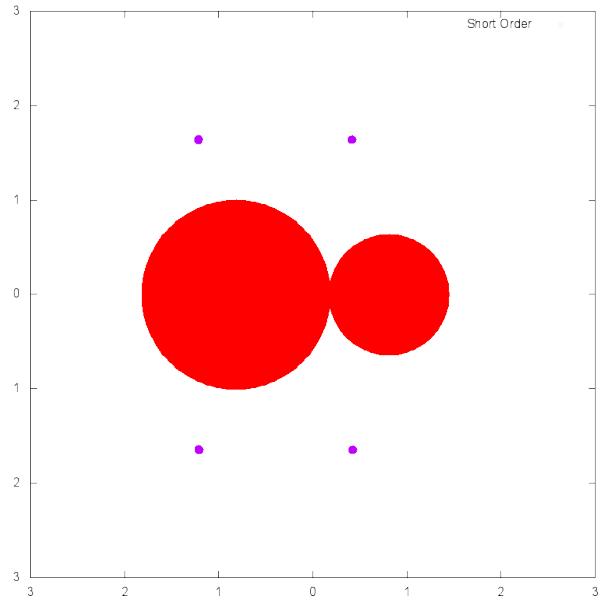


Figure 75: Snowman: Temp= 2.9, $r = 0.637556$, $d = 1.637556$, p2gg

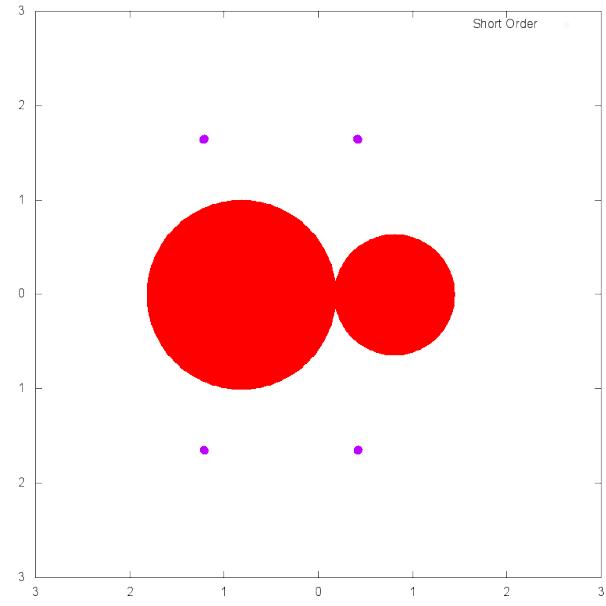


Figure 76: Snowman: Temp= 3.0, $r = 0.637556$, $d = 1.637556$, p2gg

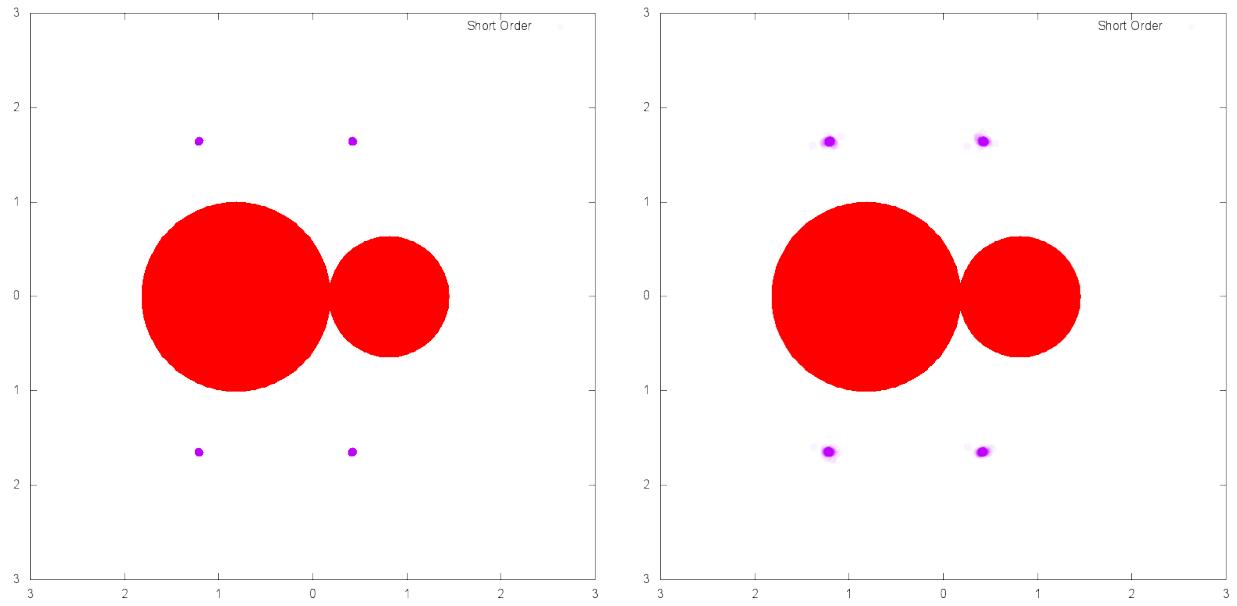


Figure 77: Snowman: Temp= 3.05, $r =$ Figure 78: Snowman: Temp= 3.1, $r =$
0.637556, $d = 1.637556$, p2gg 0.637556, $d = 1.637556$, p2gg

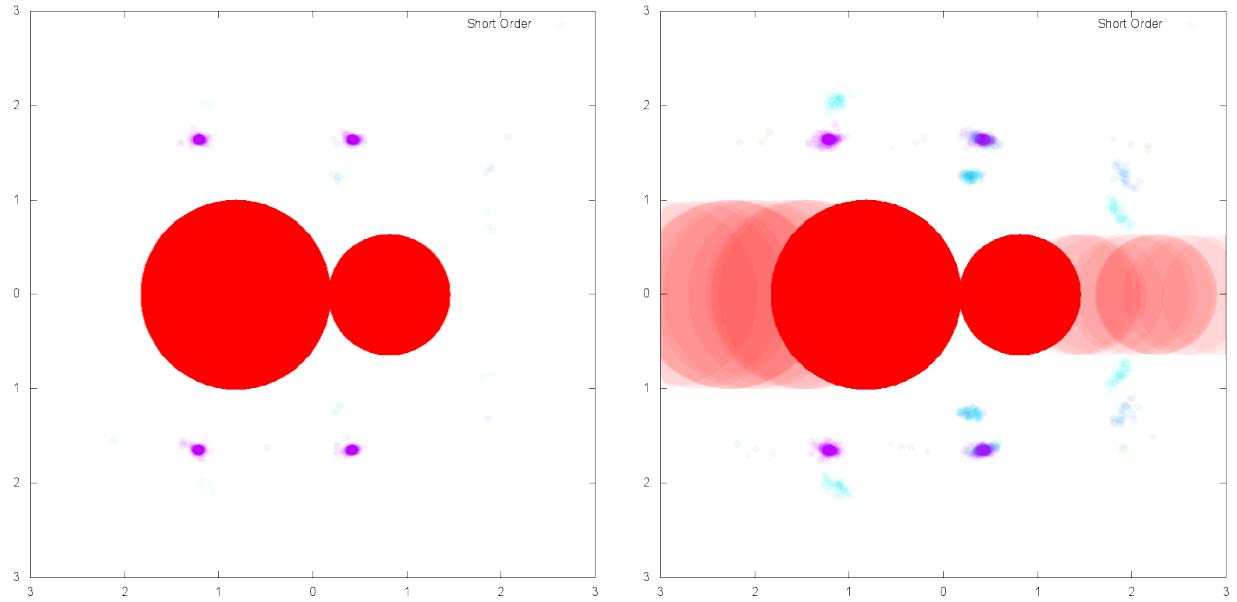


Figure 79: Snowman: Temp= 3.15, $r =$ Figure 80: Snowman: Temp= 3.2, $r =$
0.637556, $d = 1.637556$, p2gg 0.637556, $d = 1.637556$, p2gg

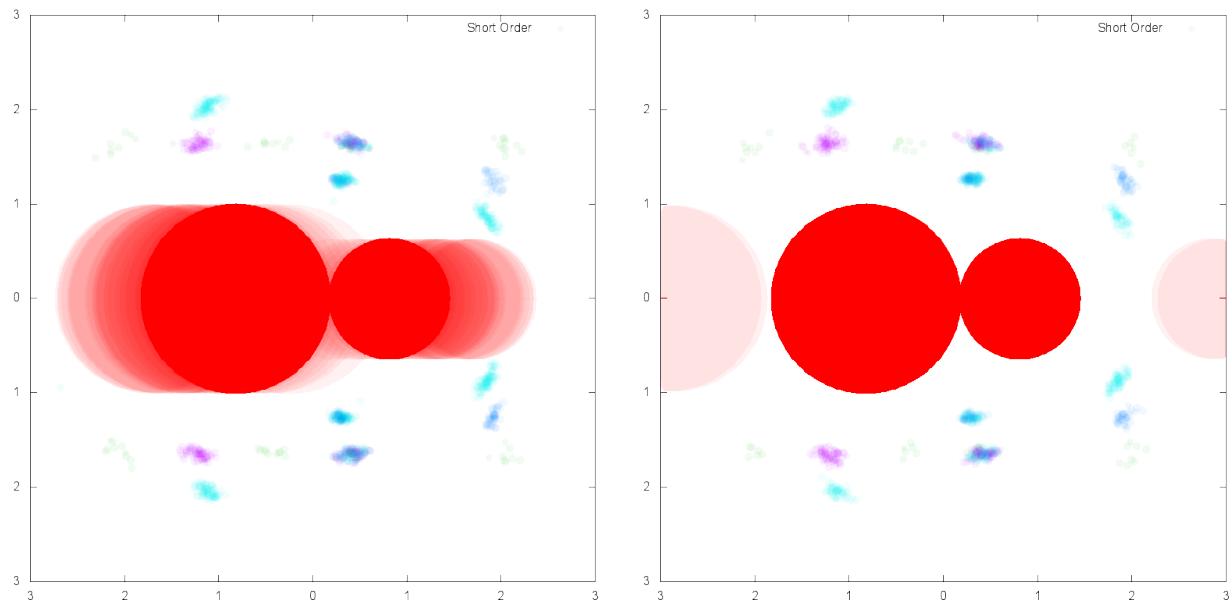


Figure 81: Snowman: Temp= 3.3, $r = 0.637556$, $d = 1.637556$, p2gg Figure 82: Snowman: Temp= 3.5, $r = 0.637556$, $d = 1.637556$, p2gg

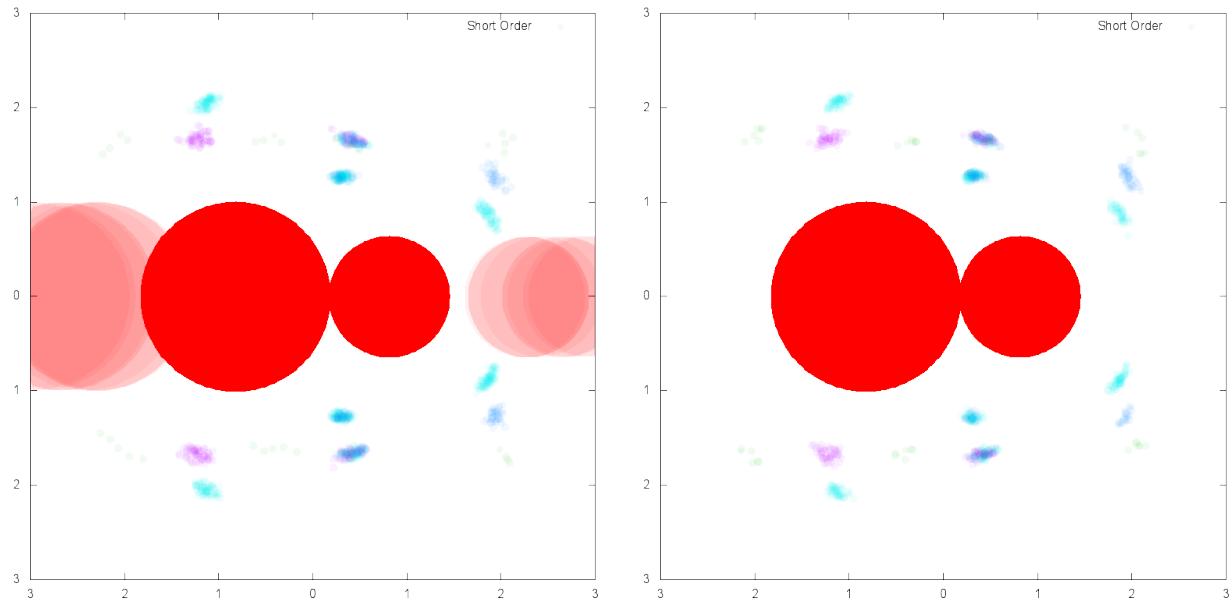


Figure 83: Snowman: Temp= 4.0, $r = 0.637556$, $d = 1.637556$, p2gg Figure 84: Snowman: Temp= 4.5, $r = 0.637556$, $d = 1.637556$, p2gg

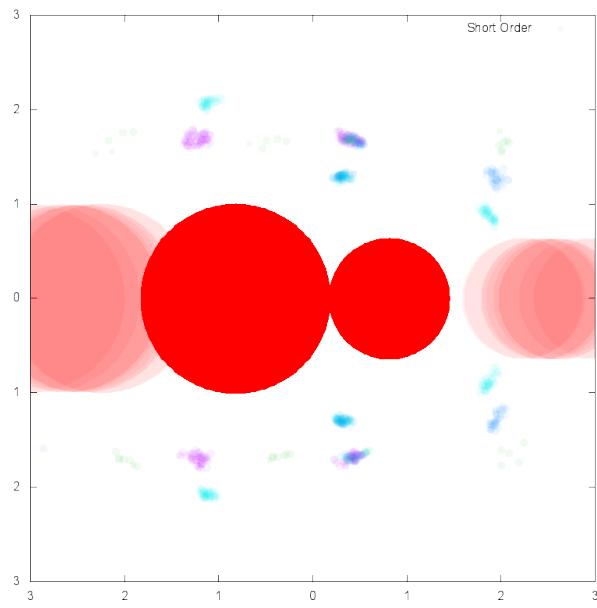


Figure 85: Snowman: Temp= 5.0, r = 0.637556, d = 1.637556, p2gg

5 Mean Squared Displacement

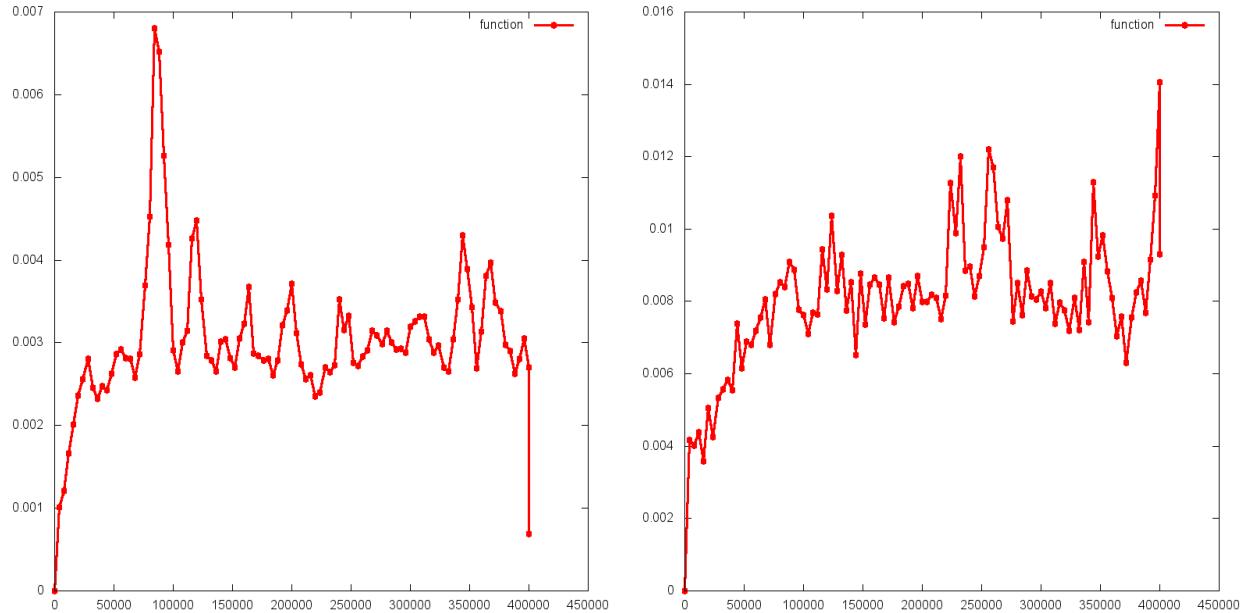


Figure 86: Snowman: Temp= 0.2, r = 0.637556, d = 1.637556, p2gg

Figure 87: Snowman: Temp= 0.5, r = 0.637556, d = 1.637556, p2gg

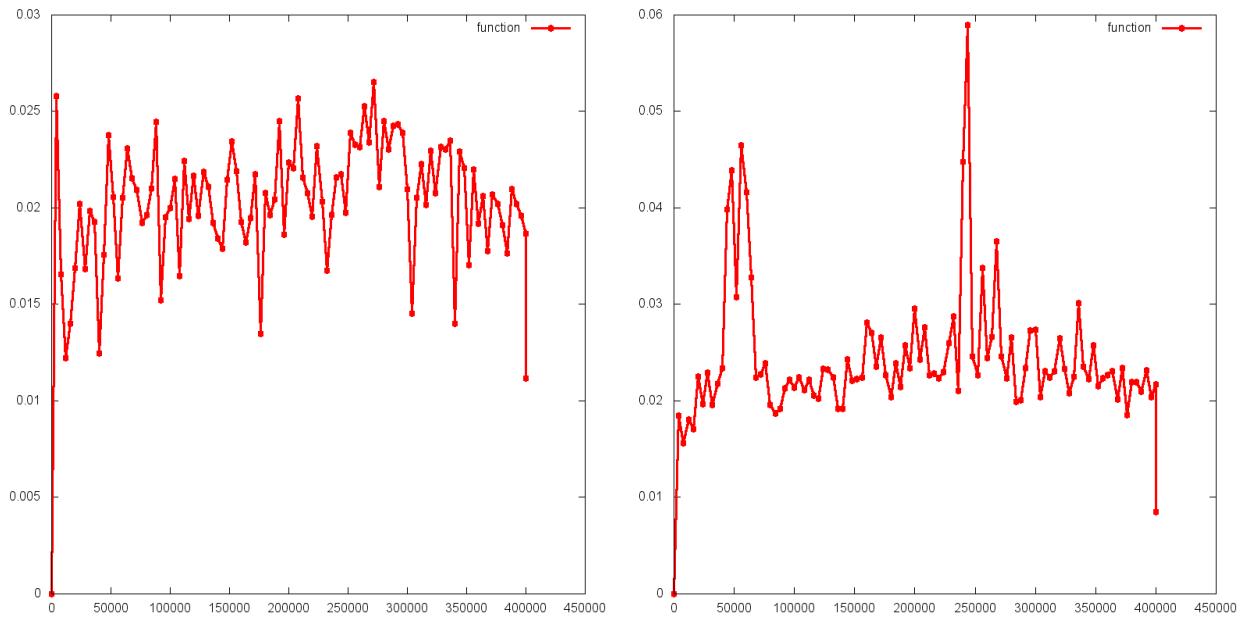


Figure 88: Snowman: Temp= 0.8, $r = 0.637556$, $d = 1.637556$, p2gg

Figure 89: Snowman: Temp= 1.0, $r = 0.637556$, $d = 1.637556$, p2gg

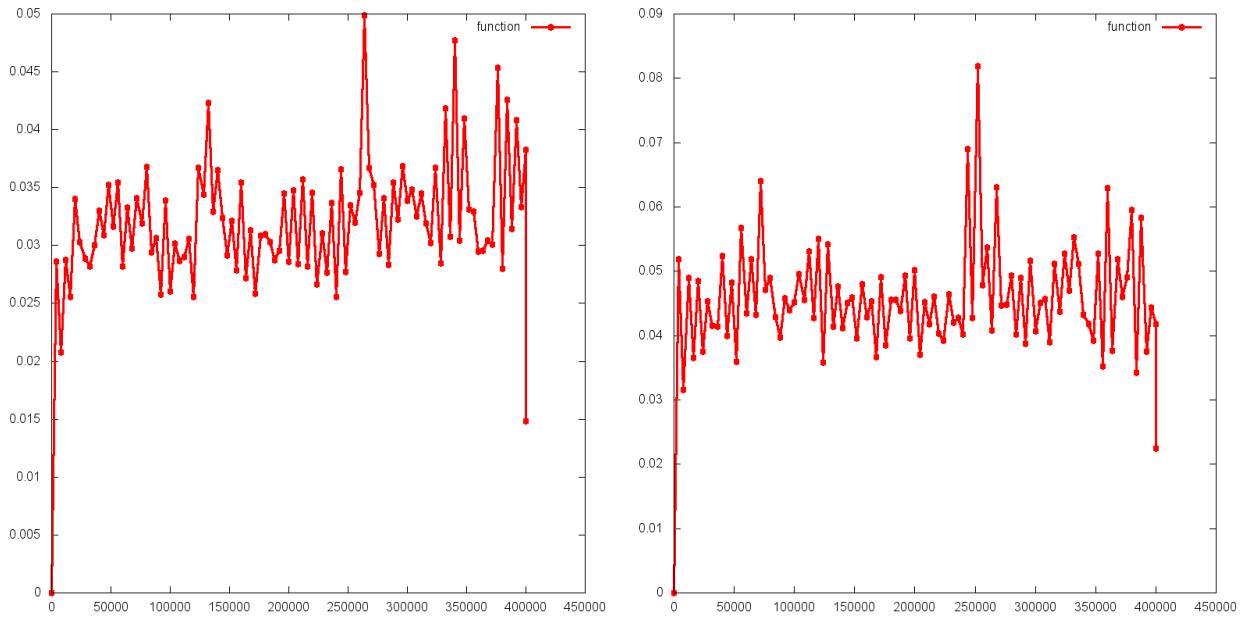


Figure 90: Snowman: Temp= 1.3, $r = 0.637556$, $d = 1.637556$, p2gg

Figure 91: Snowman: Temp= 1.6, $r = 0.637556$, $d = 1.637556$, p2gg

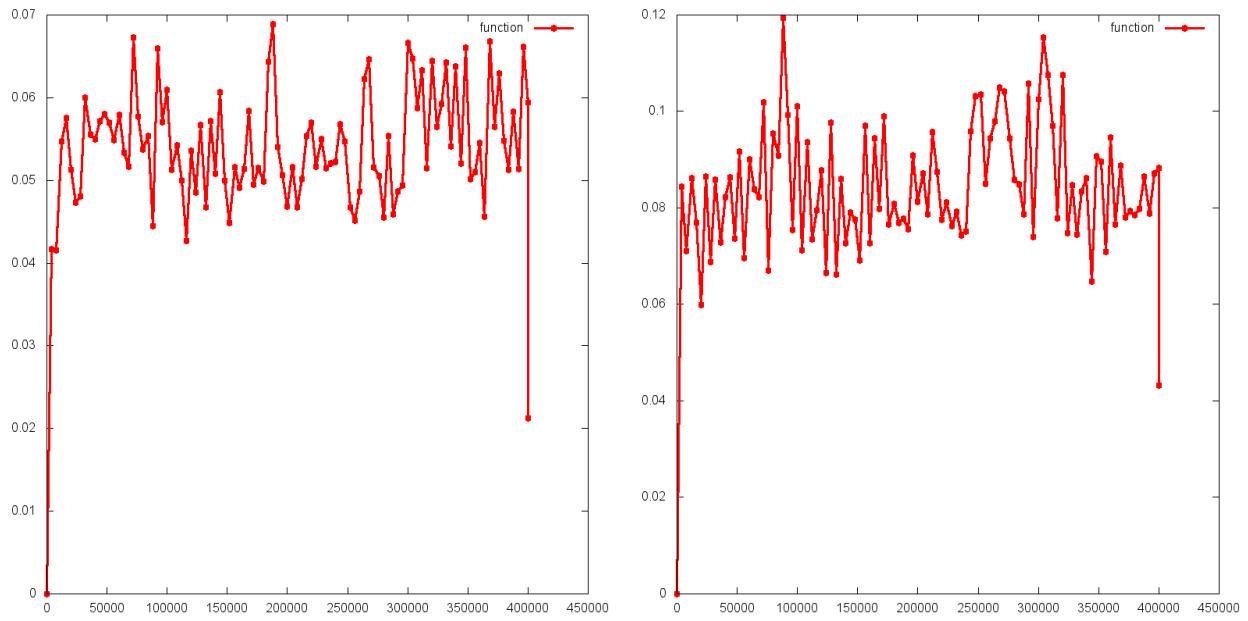


Figure 92: Snowman: Temp= 2.0, $r = 0.637556$, $d = 1.637556$, p2gg

Figure 93: Snowman: Temp= 2.3, $r = 0.637556$, $d = 1.637556$, p2gg

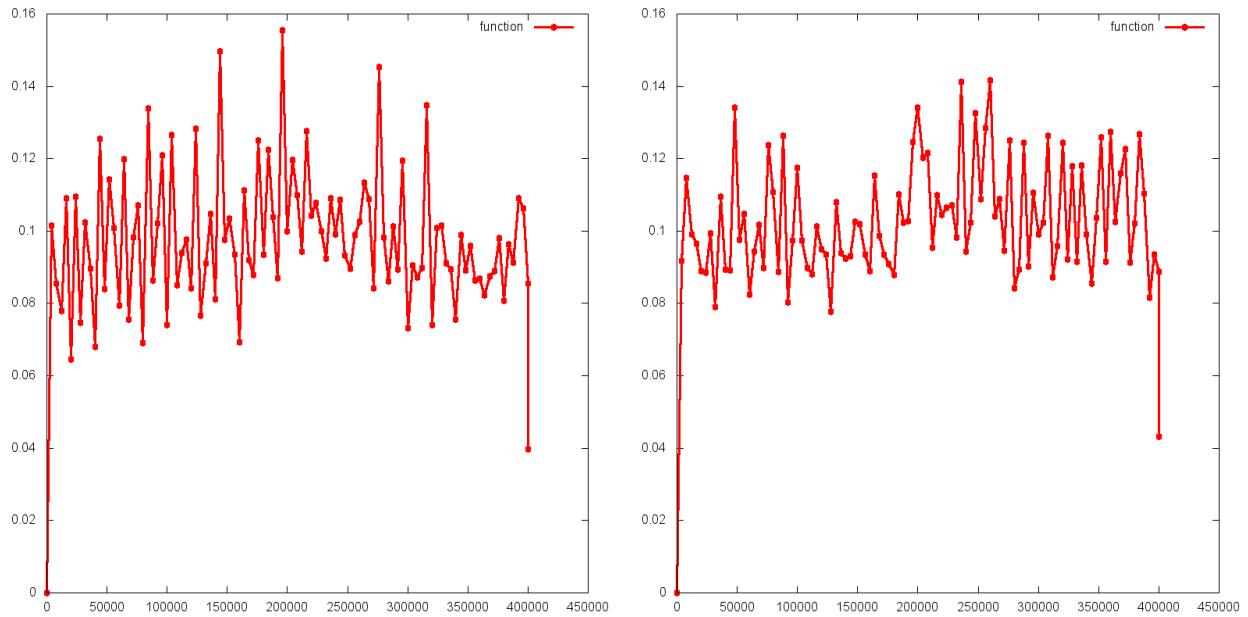


Figure 94: Snowman: Temp= 2.6, $r = 0.637556$, $d = 1.637556$, p2gg

Figure 95: Snowman: Temp= 2.8, $r = 0.637556$, $d = 1.637556$, p2gg

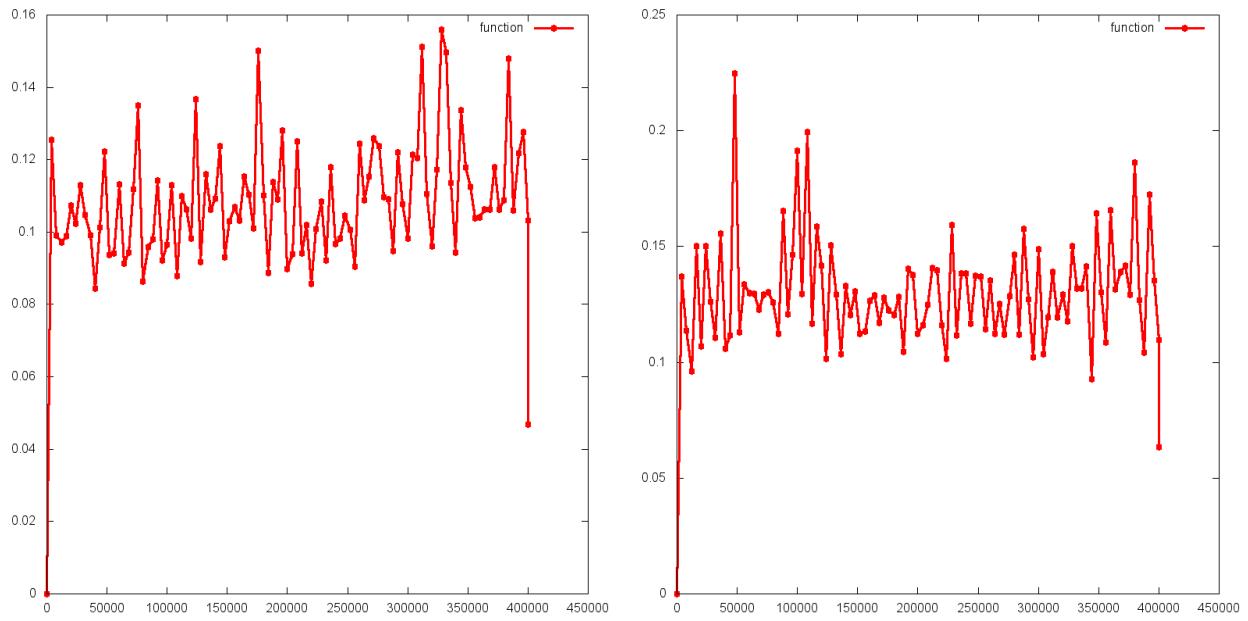


Figure 96: Snowman: Temp= 2.9, $r = 0.637556$, $d = 1.637556$, p2gg

Figure 97: Snowman: Temp= 3.0, $r = 0.637556$, $d = 1.637556$, p2gg

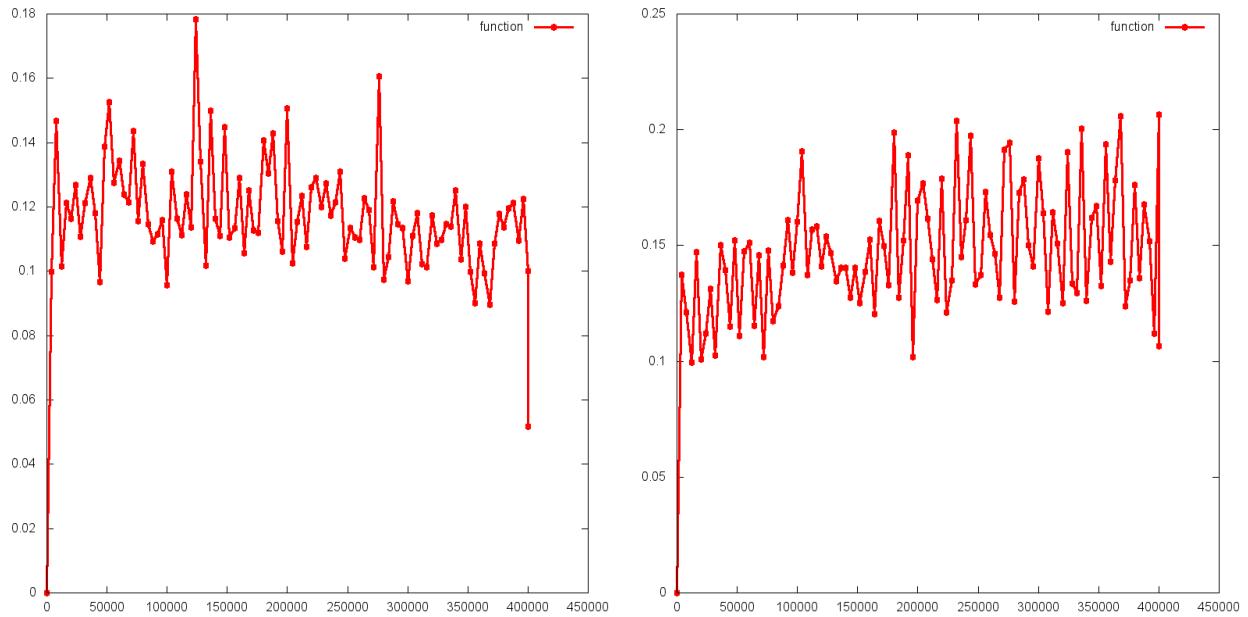


Figure 98: Snowman: Temp= 3.05, $r = 0.637556$, $d = 1.637556$, p2gg

Figure 99: Snowman: Temp= 3.1, $r = 0.637556$, $d = 1.637556$, p2gg

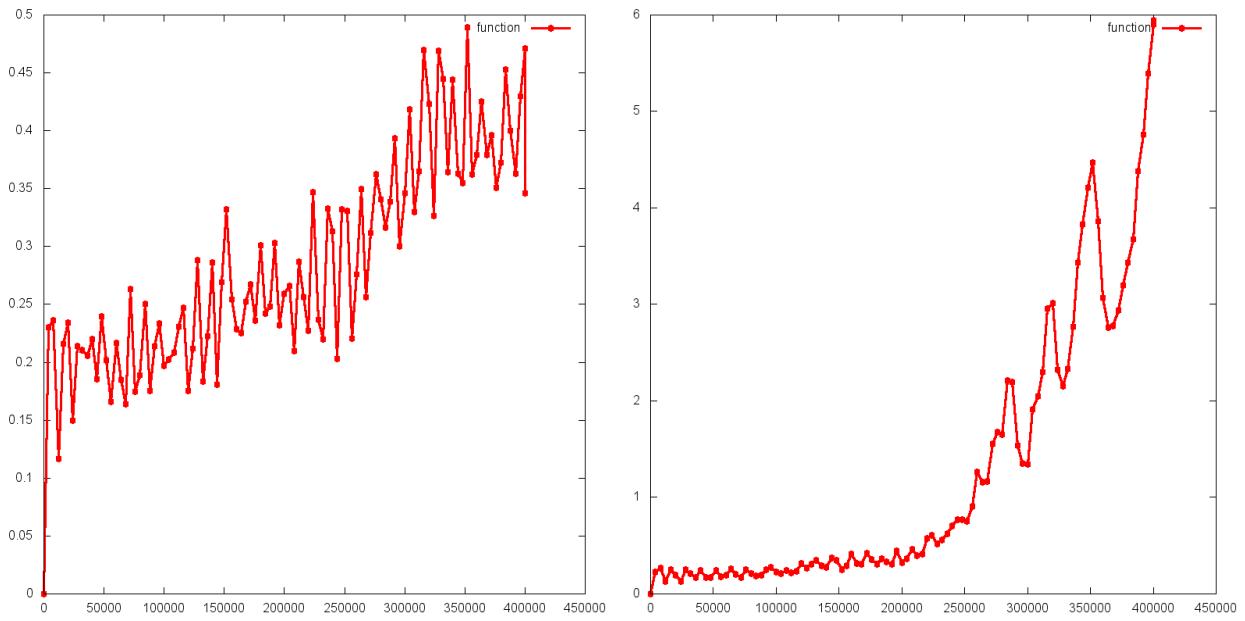


Figure 100: Snowman: Temp= 3.15, $r =$ Figure 101: Snowman: Temp= 3.2, $r =$
0.637556, $d = 1.637556$, p2gg

0.637556, $d = 1.637556$, p2gg

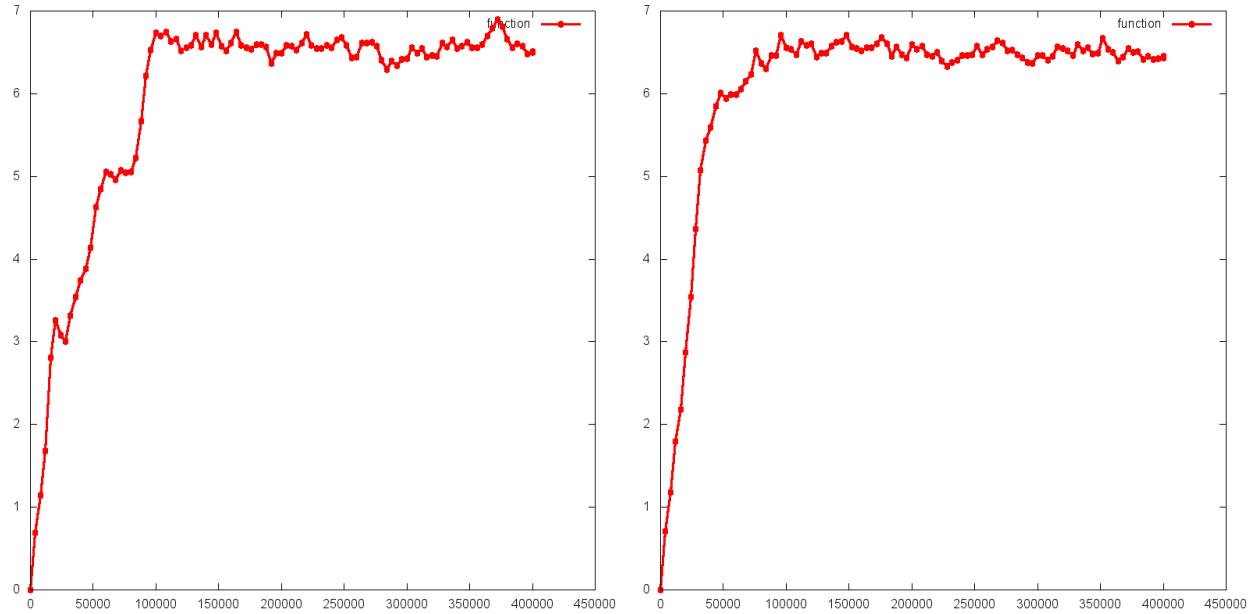


Figure 102: Snowman: Temp= 3.3, $r =$ Figure 103: Snowman: Temp= 3.5, $r =$
0.637556, $d = 1.637556$, p2gg

0.637556, $d = 1.637556$, p2gg

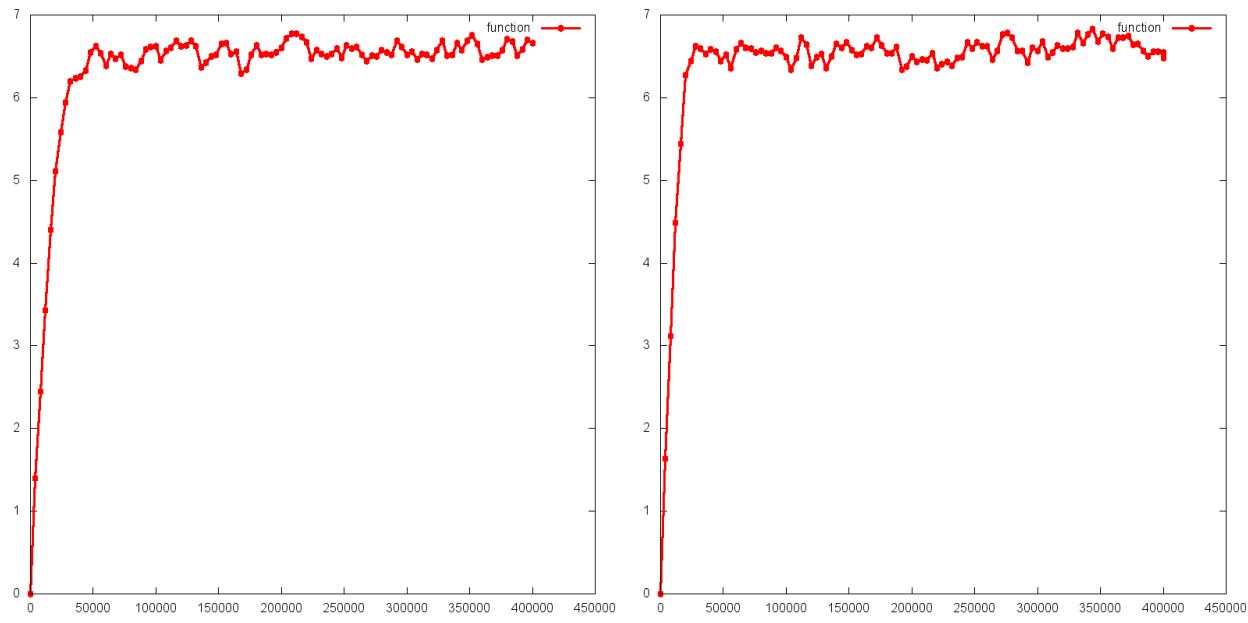


Figure 104: Snowman: Temp= 4.0, $r =$

Figure 105: Snowman: Temp= 4.5, $r =$
0.637556, $d = 1.637556$, p2gg

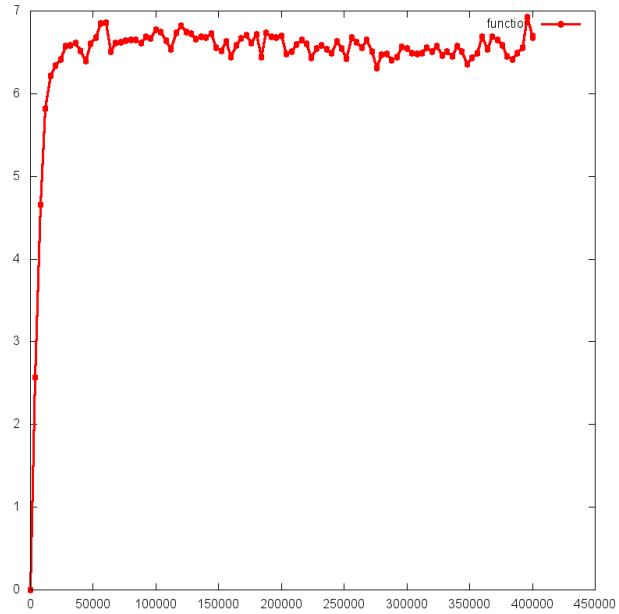


Figure 106: Snowman: Temp= 5.0, $r =$
0.637556, $d = 1.637556$, p2gg

6 Rotational Relaxation

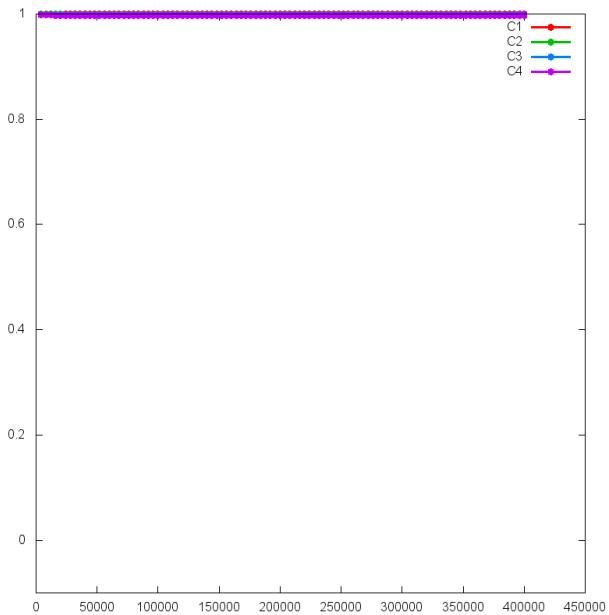


Figure 107: Snowman: Temp= 0.2, $r = 0.637556$, $d = 1.637556$, p2gg

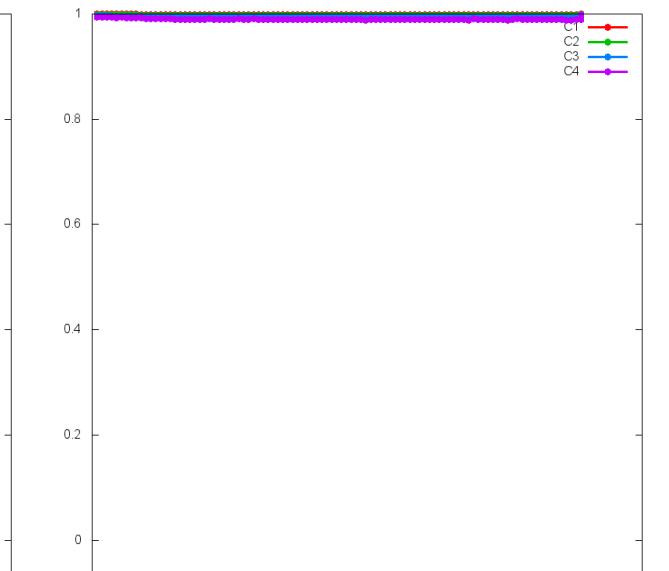


Figure 108: Snowman: Temp= 0.5, $r = 0.637556$, $d = 1.637556$, p2gg

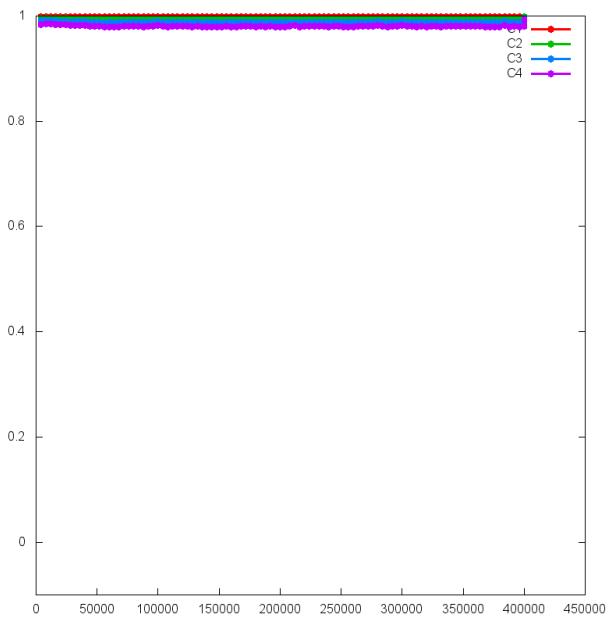
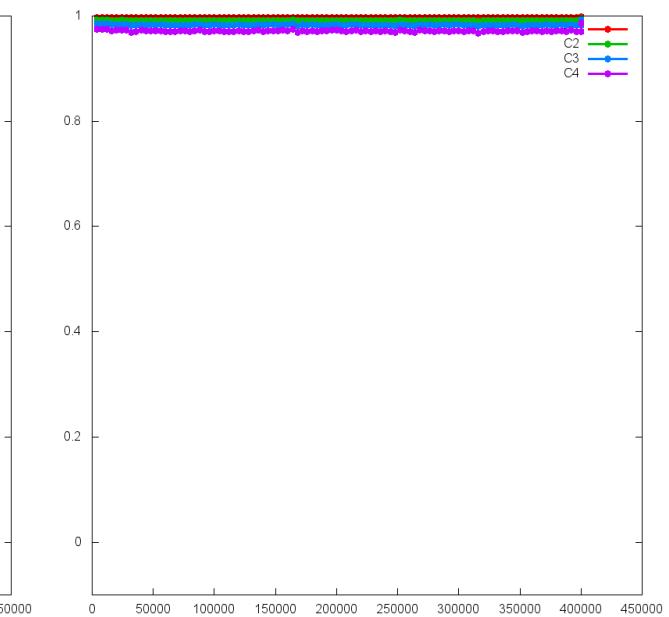


Figure 109: Snowman: Temp= 0.8, $r = 0.637556$, $d = 1.637556$, p2gg



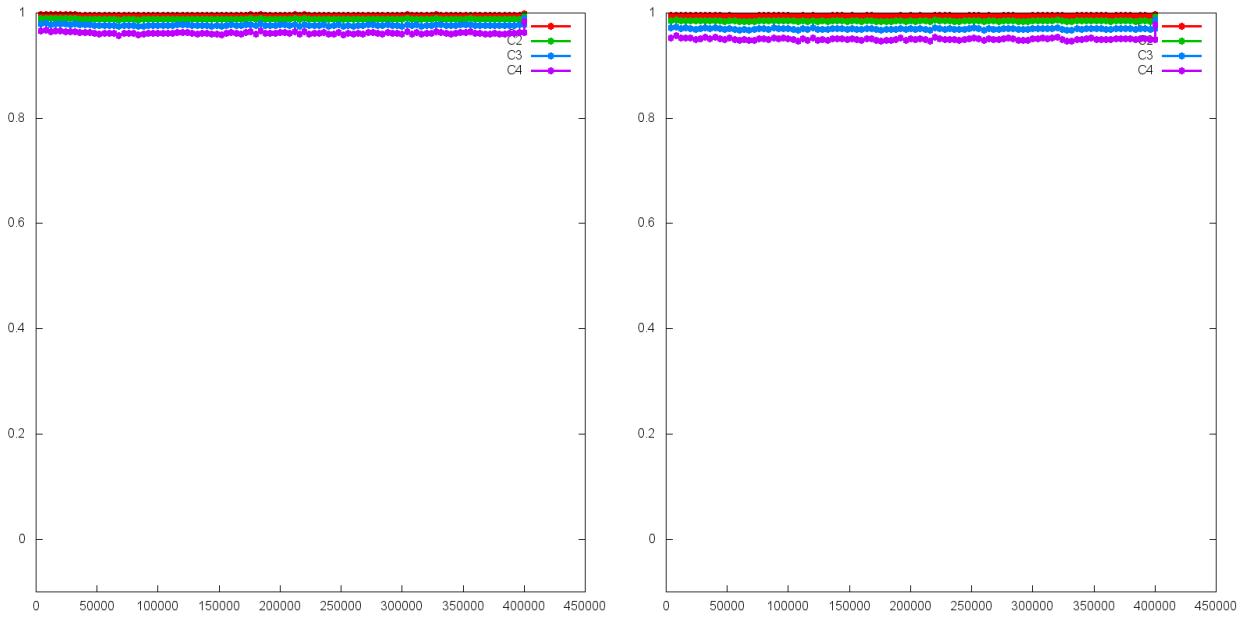


Figure 111: Snowman: Temp= 1.3, $r = 0.637556$, $d = 1.637556$, p2gg

Figure 112: Snowman: Temp= 1.6, $r = 0.637556$, $d = 1.637556$, p2gg

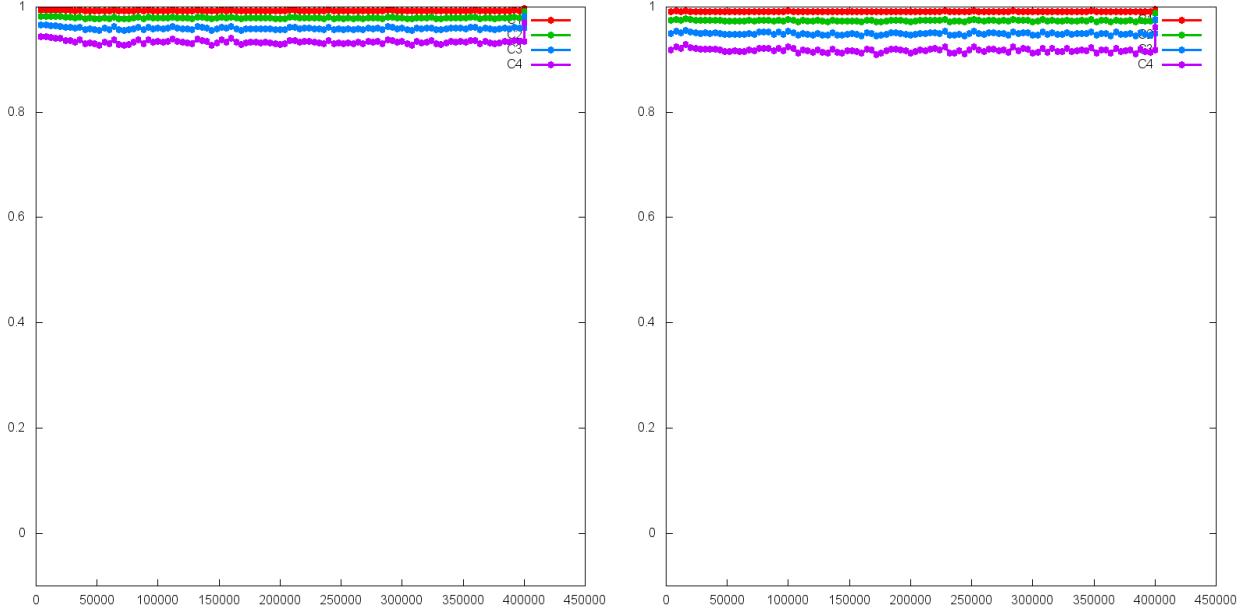


Figure 113: Snowman: Temp= 2.0, $r = 0.637556$, $d = 1.637556$, p2gg

Figure 114: Snowman: Temp= 2.3, $r = 0.637556$, $d = 1.637556$, p2gg

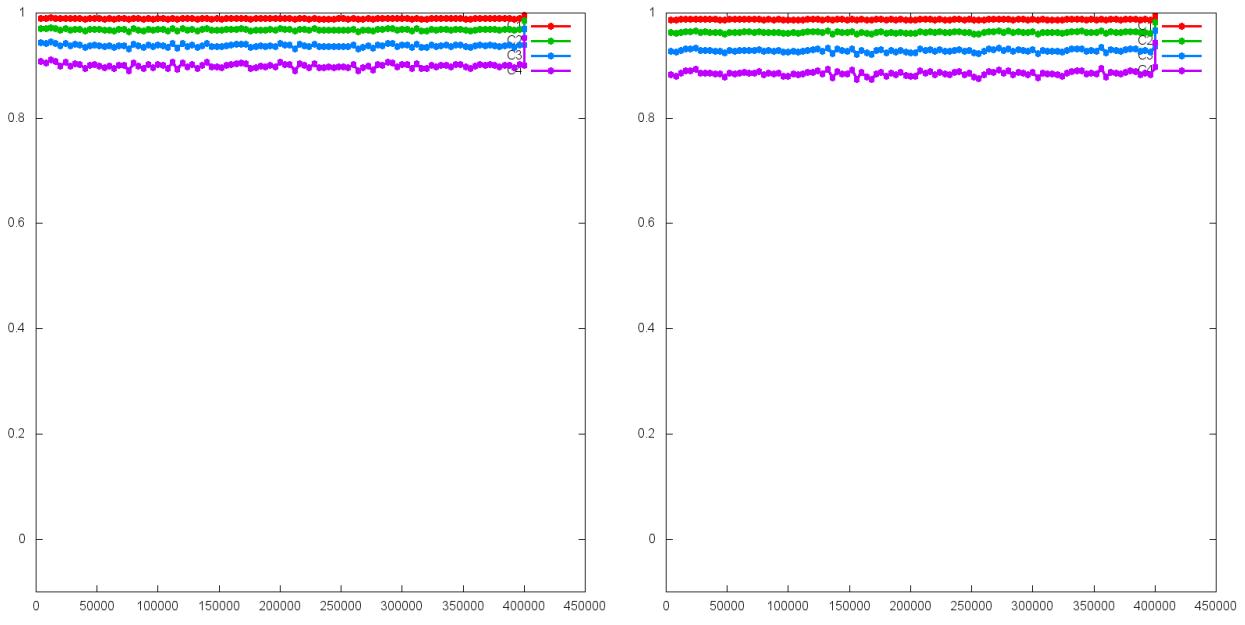


Figure 115: Snowman: Temp= 2.6, $r =$ Figure 116: Snowman: Temp= 2.8, $r =$
0.637556, $d = 1.637556$, p2gg 0.637556, $d = 1.637556$, p2gg

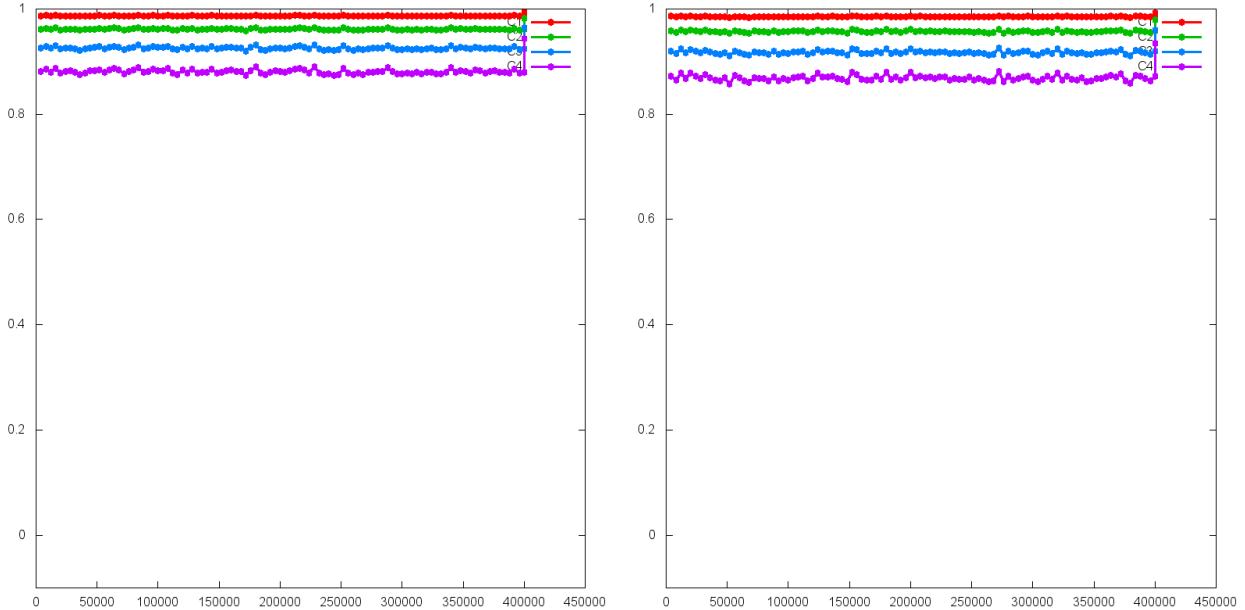


Figure 117: Snowman: Temp= 2.9, $r =$ Figure 118: Snowman: Temp= 3.0, $r =$
0.637556, $d = 1.637556$, p2gg 0.637556, $d = 1.637556$, p2gg

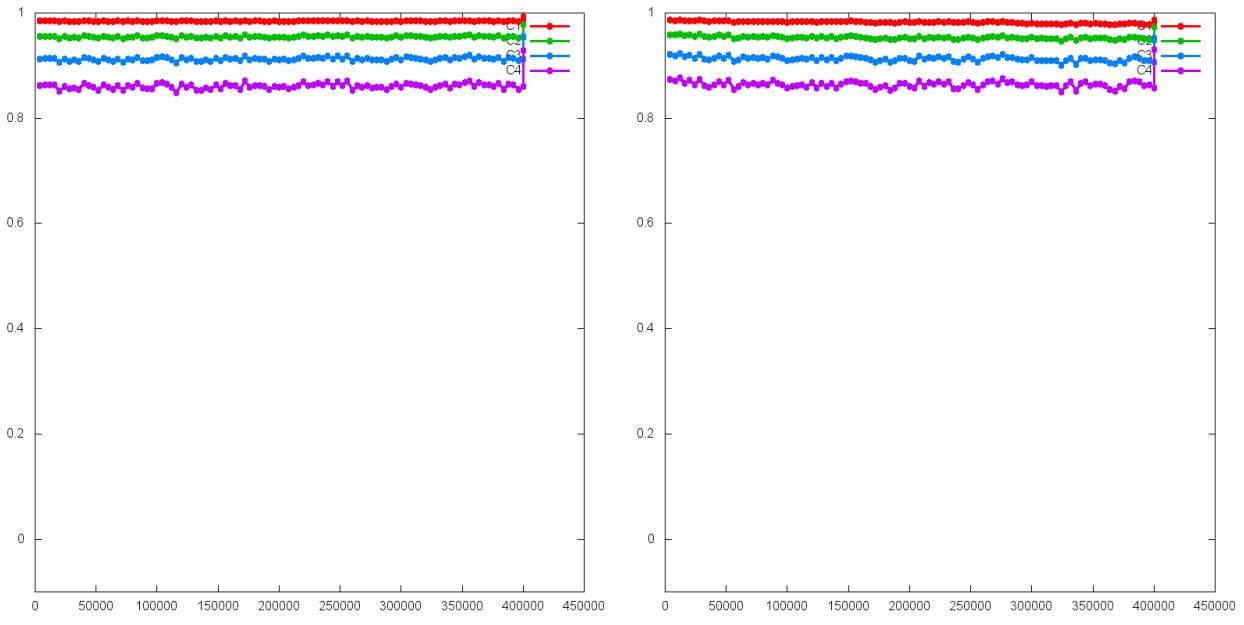


Figure 119: Snowman: Temp= 3.05, $r = 0.637556$, $d = 1.637556$, p2gg

Figure 120: Snowman: Temp= 3.1, $r = 0.637556$, $d = 1.637556$, p2gg

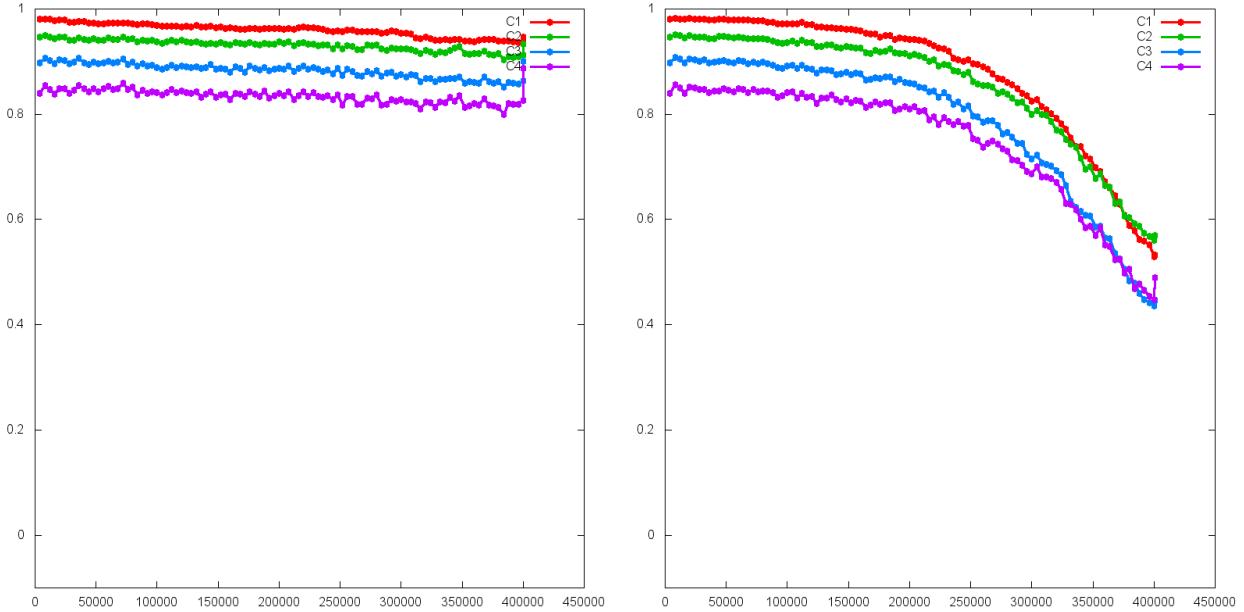


Figure 121: Snowman: Temp= 3.15, $r = 0.637556$, $d = 1.637556$, p2gg

Figure 122: Snowman: Temp= 3.2, $r = 0.637556$, $d = 1.637556$, p2gg

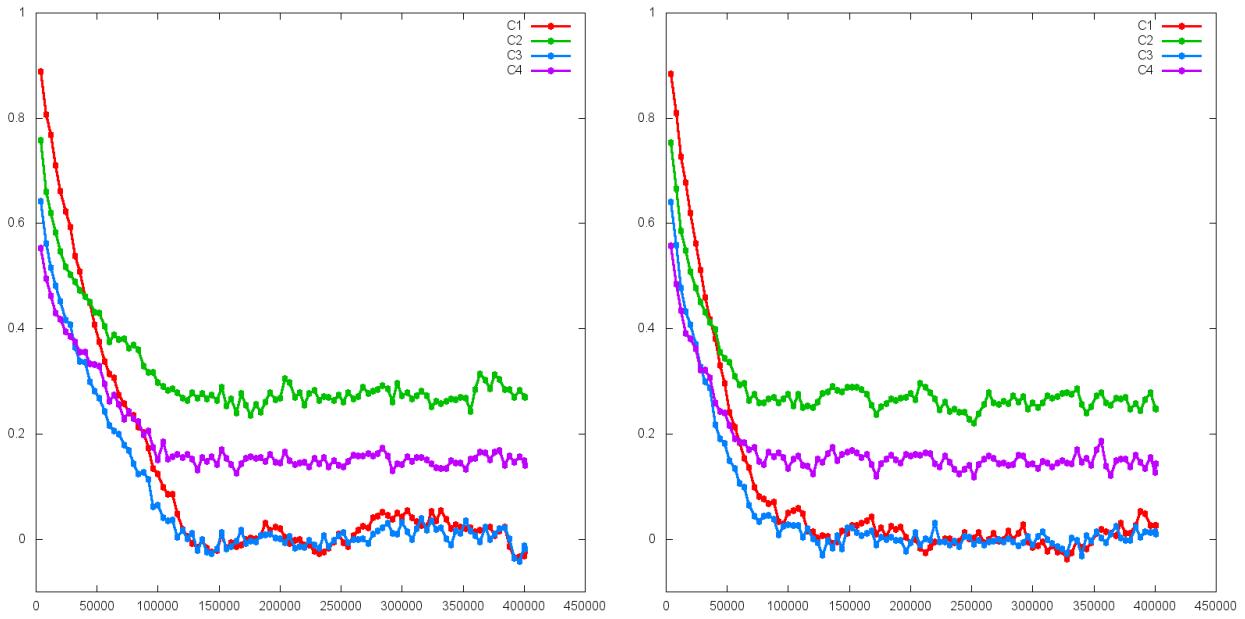


Figure 123: Snowman: Temp= 3.3, $r =$ Figure 124: Snowman: Temp= 3.5, $r =$
0.637556, $d = 1.637556$, p2gg 0.637556, $d = 1.637556$, p2gg

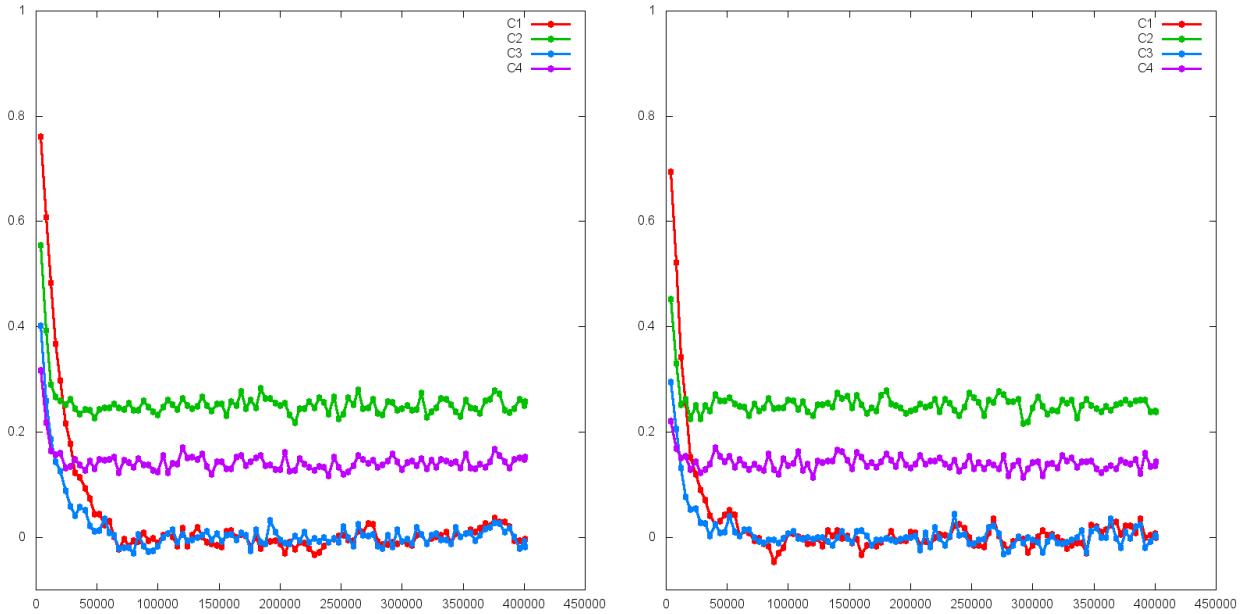


Figure 125: Snowman: Temp= 4.0, $r =$ Figure 126: Snowman: Temp= 4.5, $r =$
0.637556, $d = 1.637556$, p2gg 0.637556, $d = 1.637556$, p2gg

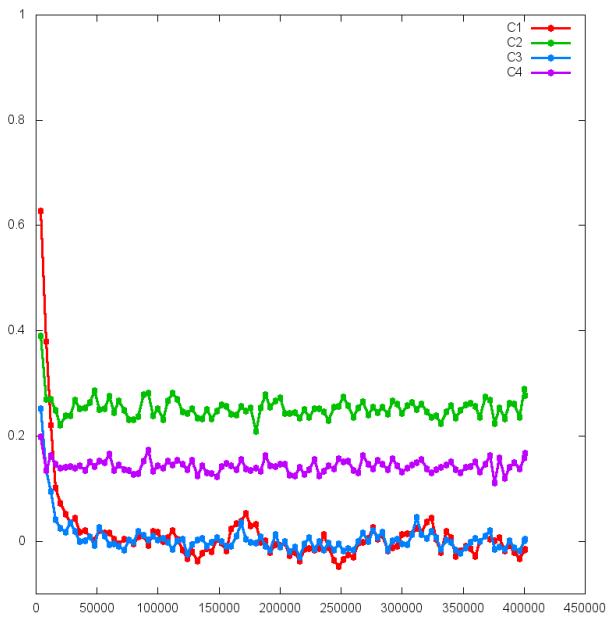


Figure 127: Snowman: Temp= 5.0, r = 0.637556, d = 1.637556, p2gg

7 Contact Number

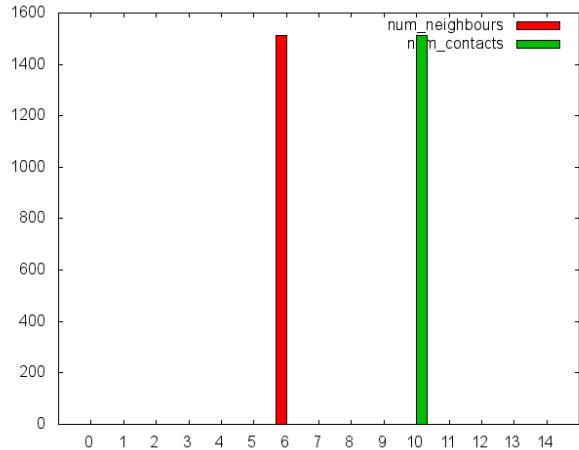


Figure 128: Snowman: Temp= 0.2, r = 0.637556, d = 1.637556, p2gg

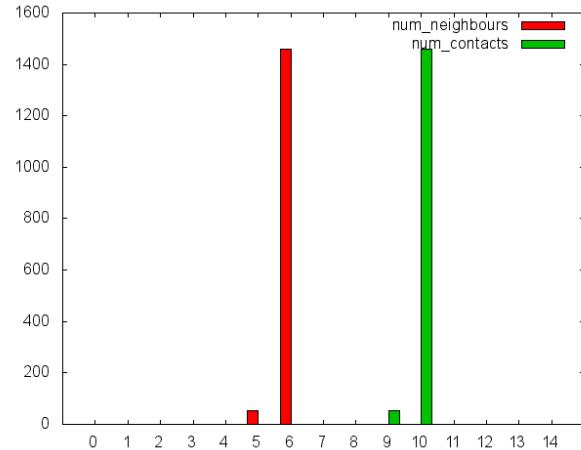


Figure 129: Snowman: Temp= 0.5, r = 0.637556, d = 1.637556, p2gg

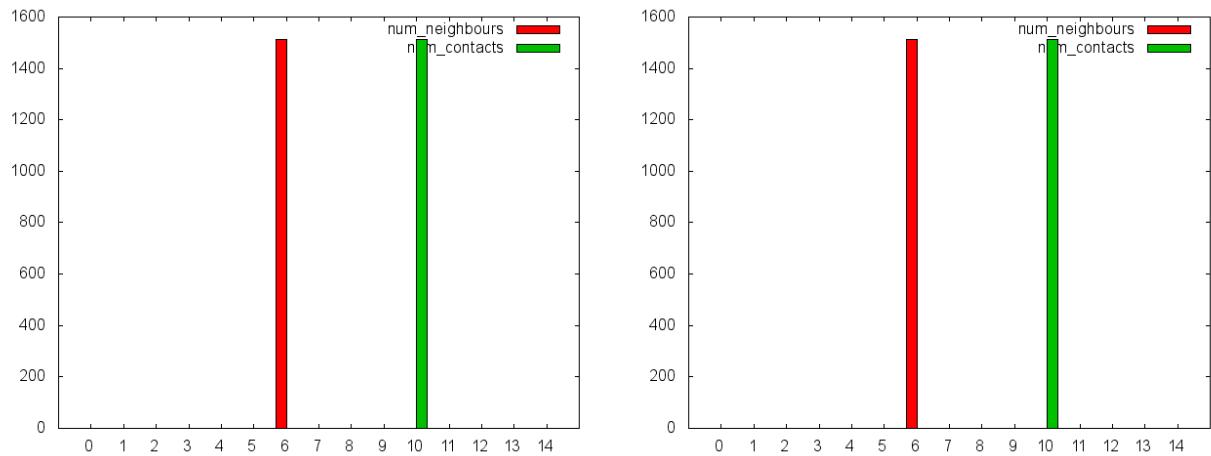


Figure 130: Snowman: Temp= 0.8, $r = 0.637556$, $d = 1.637556$, p2gg Figure 131: Snowman: Temp= 1.0, $r = 0.637556$, $d = 1.637556$, p2gg

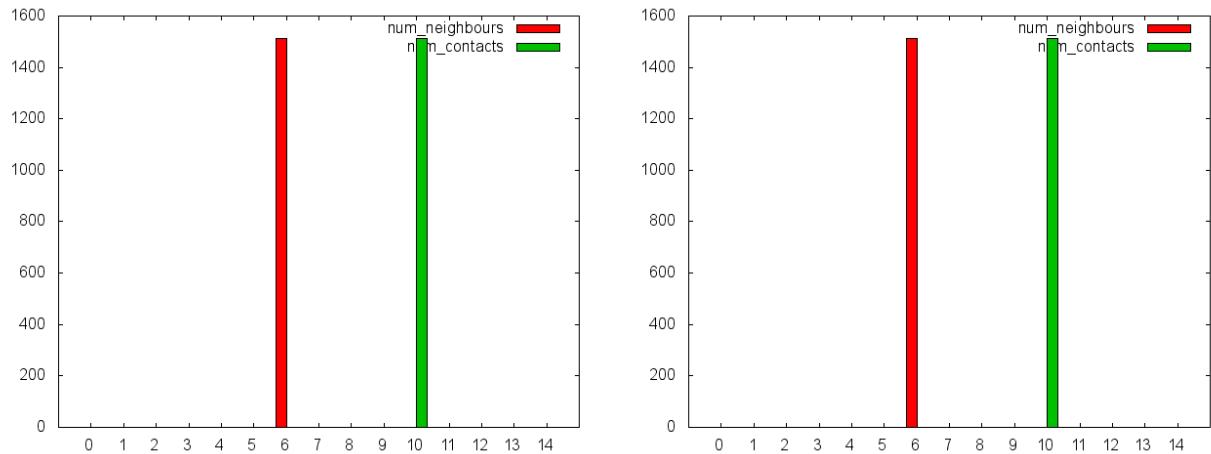


Figure 132: Snowman: Temp= 1.3, $r = 0.637556$, $d = 1.637556$, p2gg Figure 133: Snowman: Temp= 1.6, $r = 0.637556$, $d = 1.637556$, p2gg

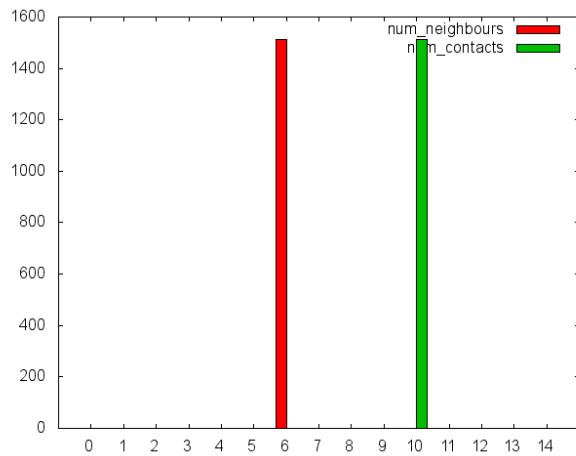


Figure 134: Snowman: Temp= 2.0, $r = 0.637556$, $d = 1.637556$, p2gg

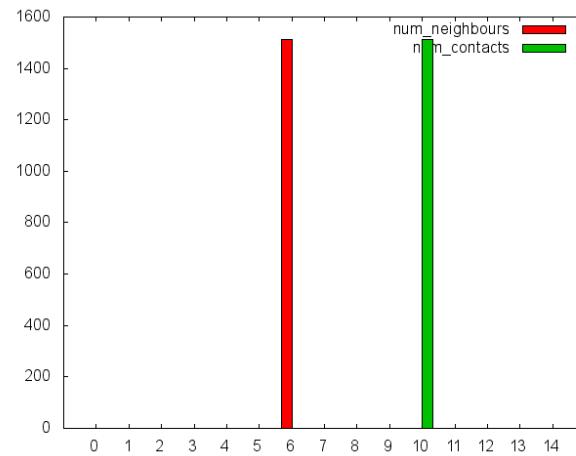


Figure 135: Snowman: Temp= 2.3, $r = 0.637556$, $d = 1.637556$, p2gg

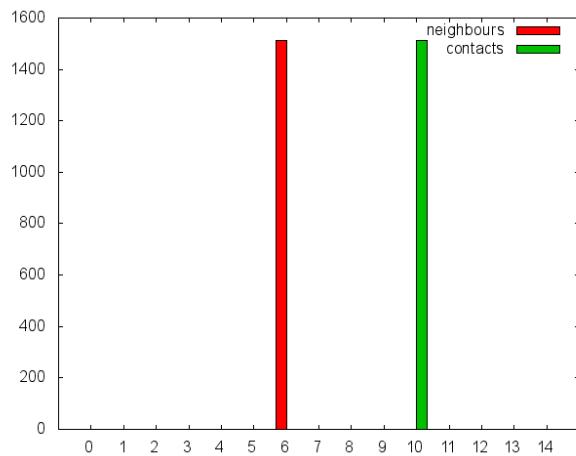


Figure 136: Snowman: Temp= 2.6, $r = 0.637556$, $d = 1.637556$, p2gg

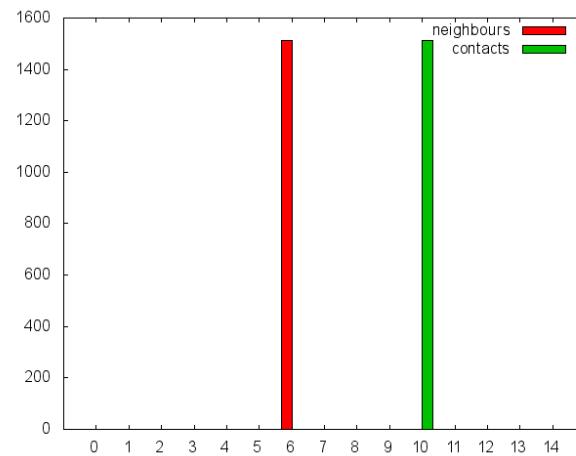


Figure 137: Snowman: Temp= 2.8, $r = 0.637556$, $d = 1.637556$, p2gg

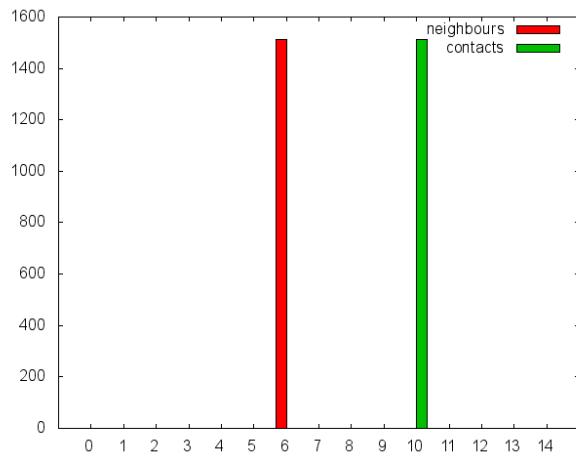


Figure 138: Snowman: Temp= 2.9, $r = 0.637556$, $d = 1.637556$, p2gg

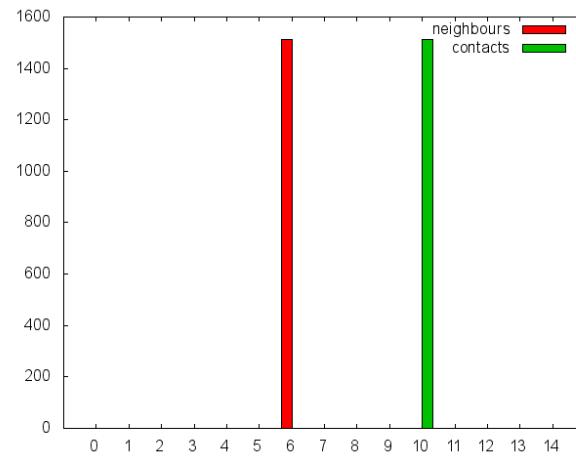


Figure 139: Snowman: Temp= 3.0, $r = 0.637556$, $d = 1.637556$, p2gg

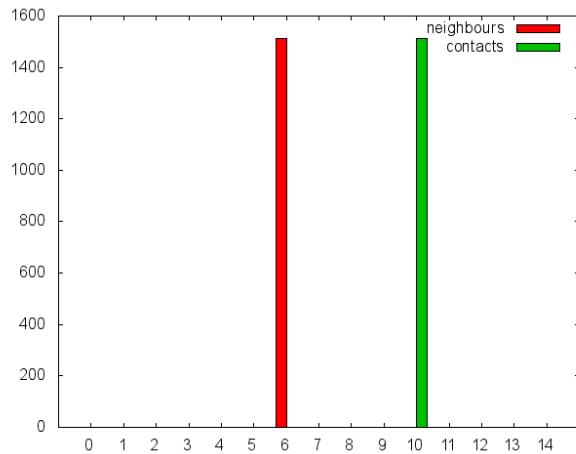


Figure 140: Snowman: Temp= 3.05, $r = 0.637556$, $d = 1.637556$, p2gg

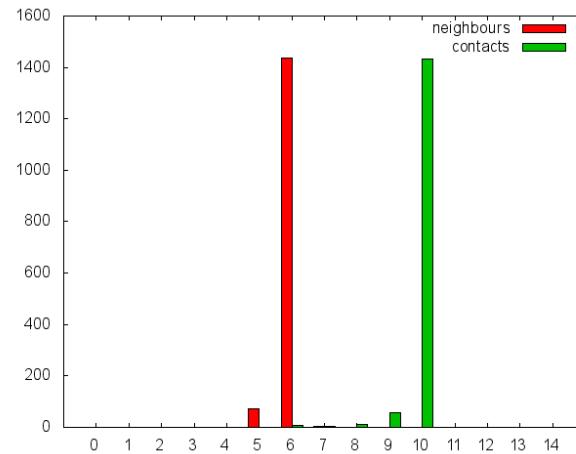


Figure 141: Snowman: Temp= 3.1, $r = 0.637556$, $d = 1.637556$, p2gg

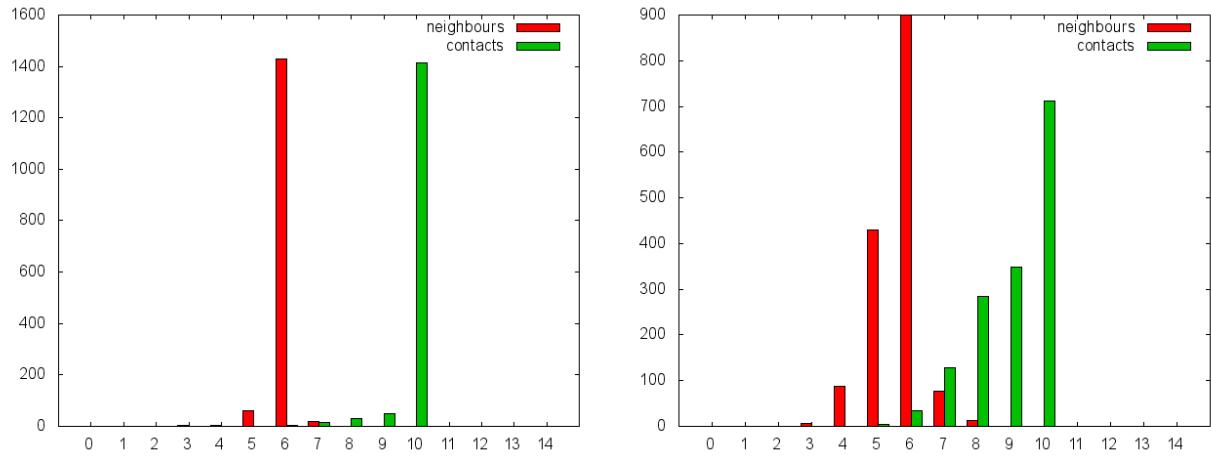


Figure 142: Snowman: Temp= 3.15, $r = 0.637556$, $d = 1.637556$, p2gg Figure 143: Snowman: Temp= 3.2, $r = 0.637556$, $d = 1.637556$, p2gg

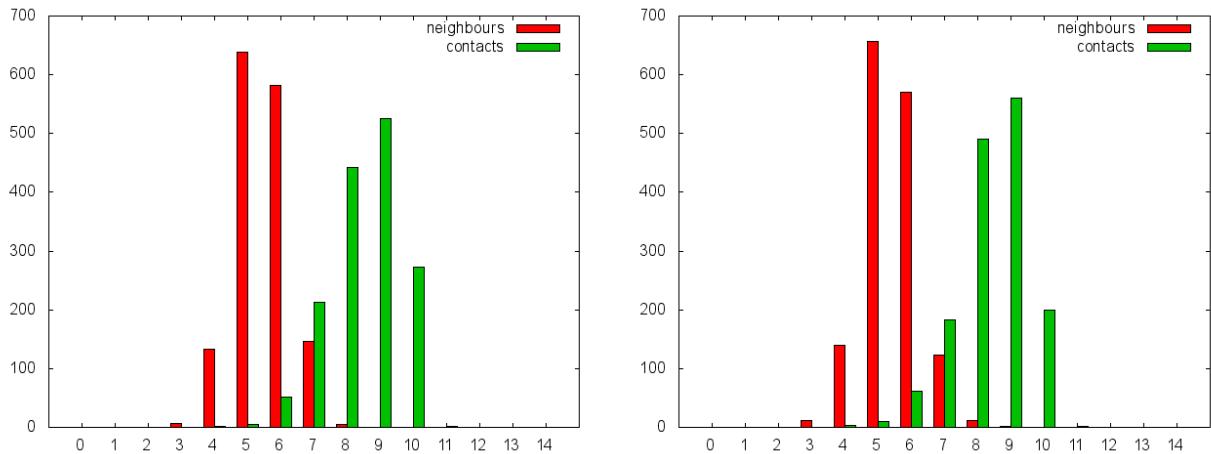


Figure 144: Snowman: Temp= 3.3, $r = 0.637556$, $d = 1.637556$, p2gg Figure 145: Snowman: Temp= 3.5, $r = 0.637556$, $d = 1.637556$, p2gg

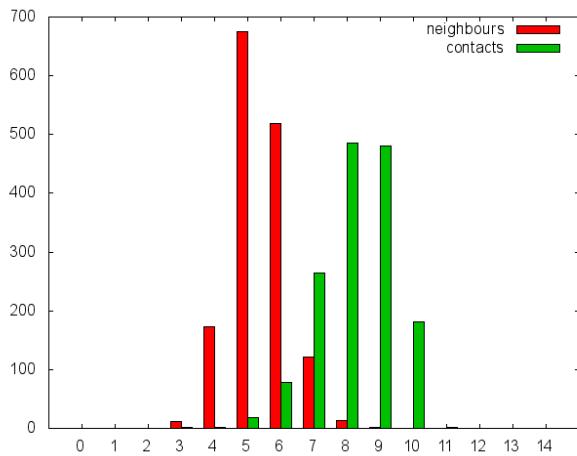


Figure 146: Snowman: Temp= 4.0, $r = 0.637556$, $d = 1.637556$, p2gg

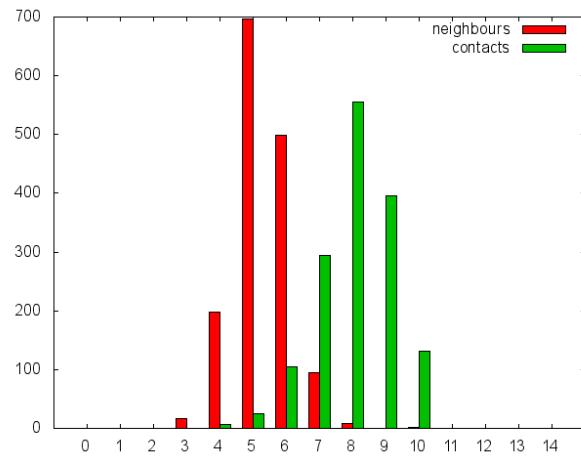


Figure 147: Snowman: Temp= 4.5, $r = 0.637556$, $d = 1.637556$, p2gg

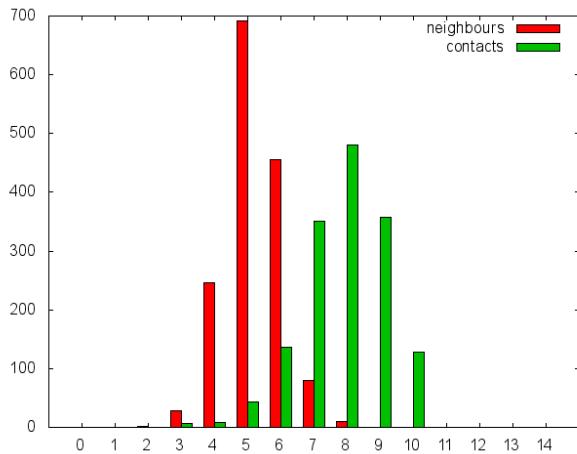


Figure 148: Snowman: Temp= 5.0, $r = 0.637556$, $d = 1.637556$, p2gg

8 Properties

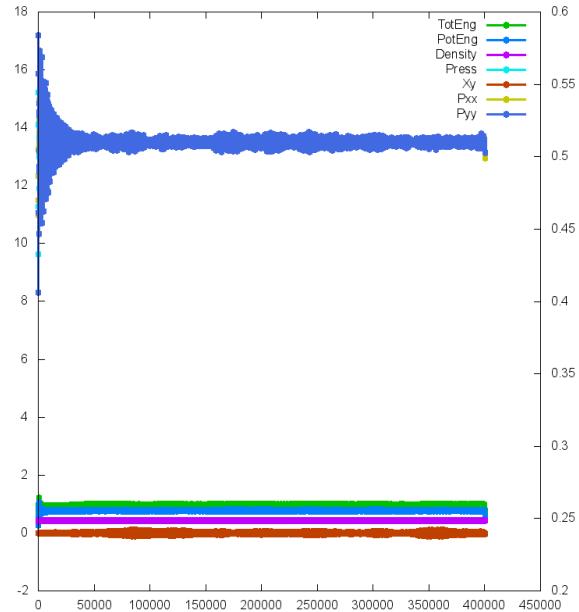


Figure 149: Snowman: $\text{Temp} = 0.2$, $r = 0.637556$, $d = 1.637556$, p2gg

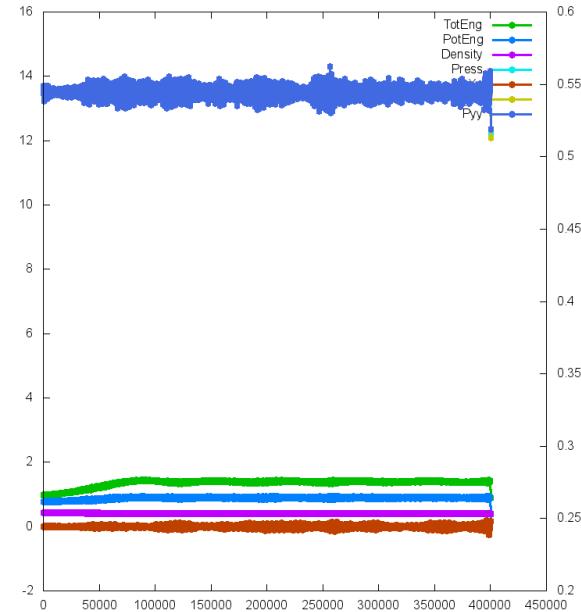


Figure 150: Snowman: $\text{Temp} = 0.5$, $r = 0.637556$, $d = 1.637556$, p2gg

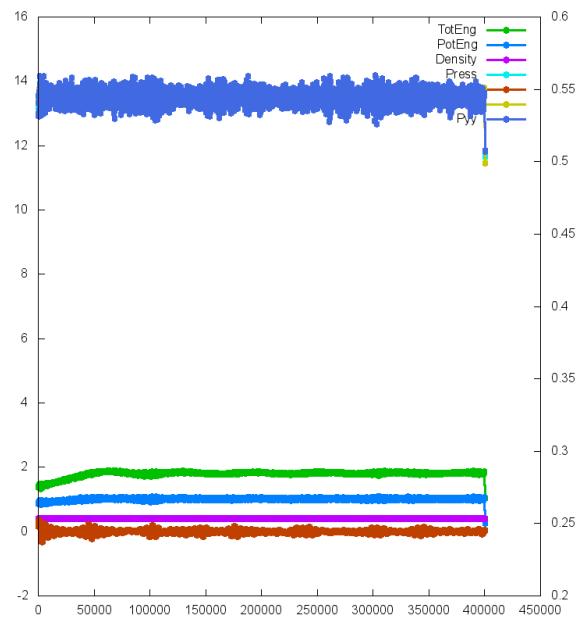


Figure 151: Snowman: $\text{Temp} = 0.8$, $r = 0.637556$, $d = 1.637556$, p2gg

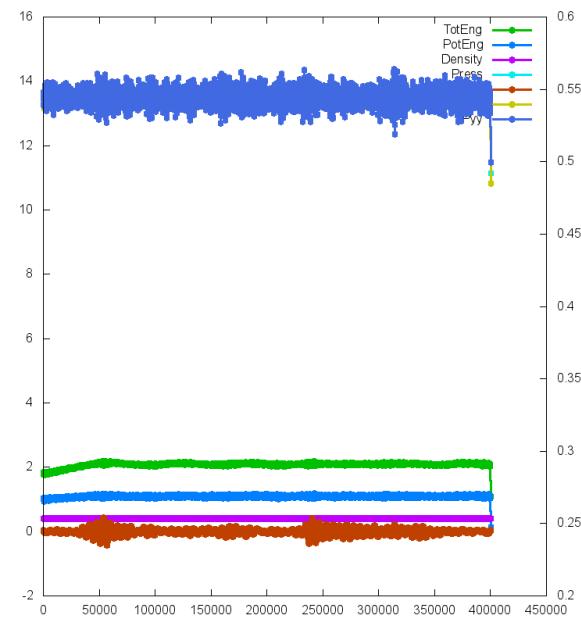


Figure 152: Snowman: $\text{Temp} = 1.0$, $r = 0.637556$, $d = 1.637556$, p2gg

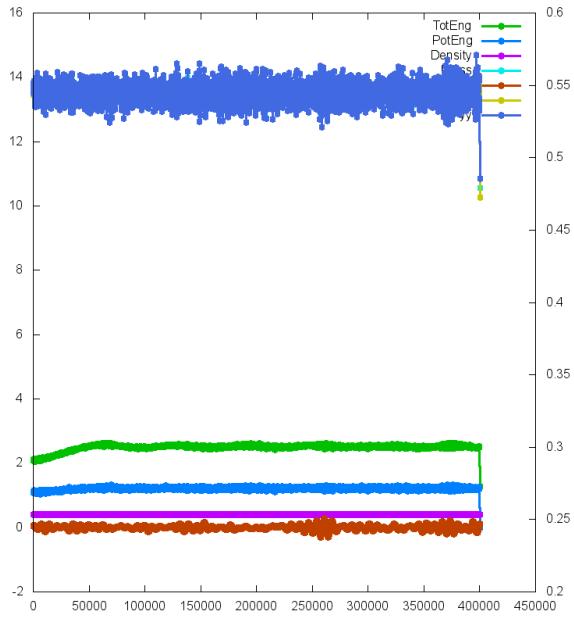


Figure 153: Snowman: Temp= 1.3, $r = 0.637556$, $d = 1.637556$, p2gg

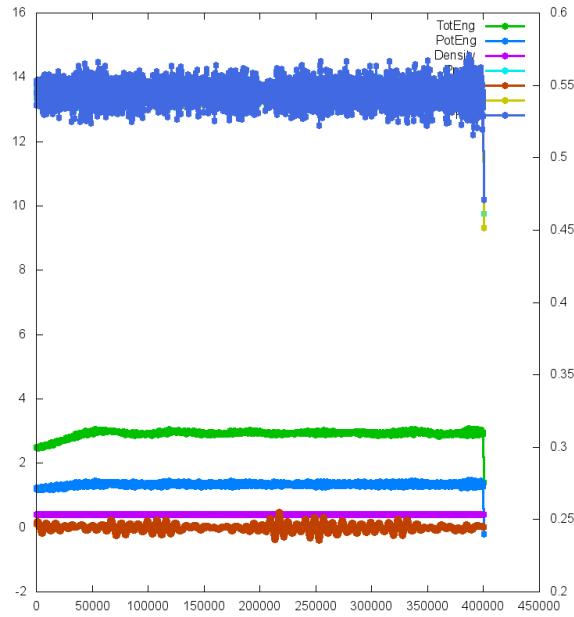


Figure 154: Snowman: Temp= 1.6, $r = 0.637556$, $d = 1.637556$, p2gg

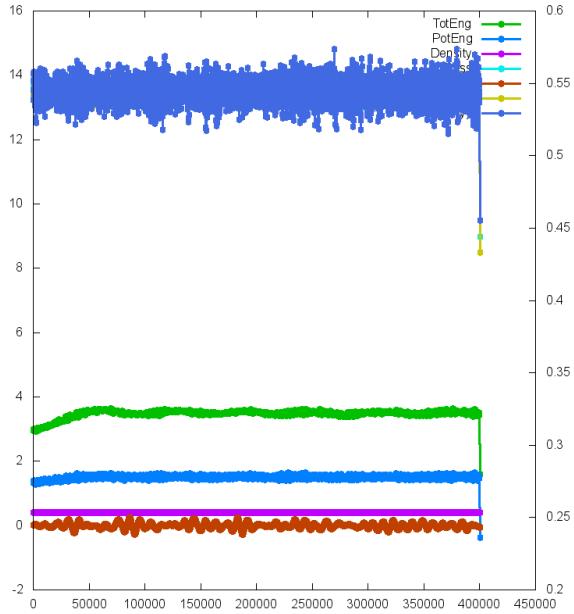


Figure 155: Snowman: Temp= 2.0, $r = 0.637556$, $d = 1.637556$, p2gg

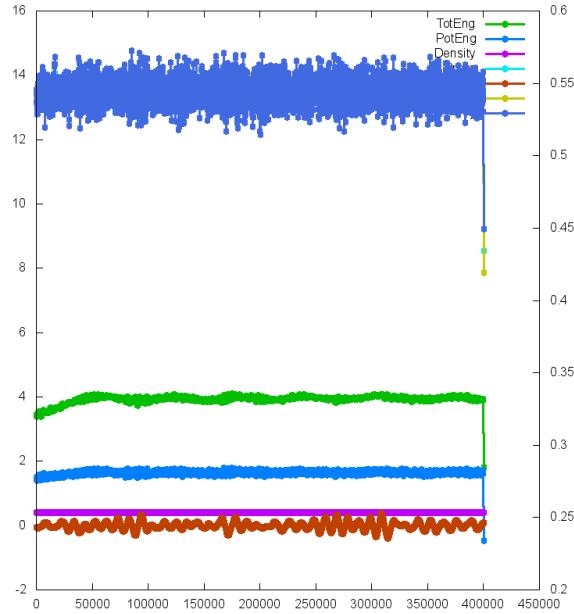


Figure 156: Snowman: Temp= 2.3, $r = 0.637556$, $d = 1.637556$, p2gg

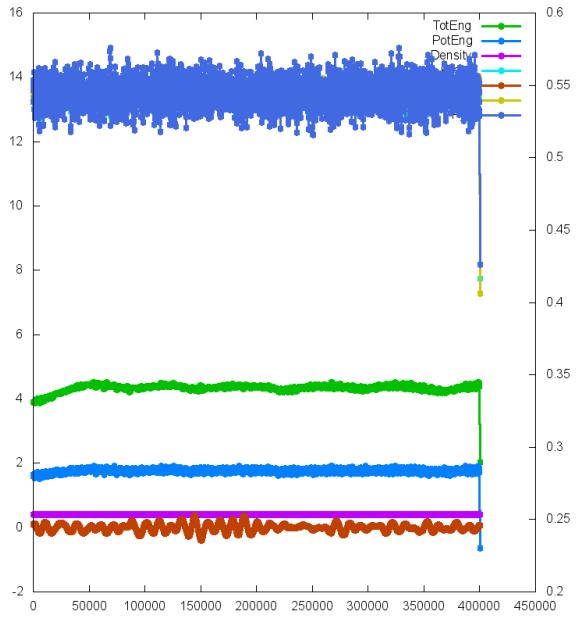


Figure 157: Snowman: Temp= 2.6, $r = 0.637556$, $d = 1.637556$, p2gg

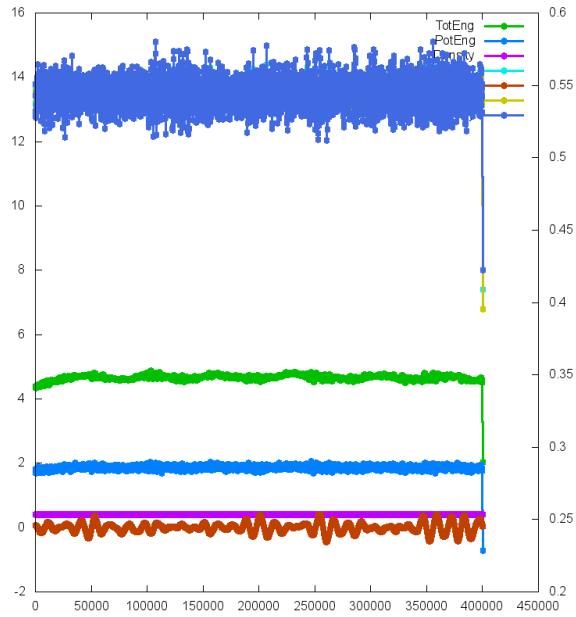


Figure 158: Snowman: Temp= 2.8, $r = 0.637556$, $d = 1.637556$, p2gg

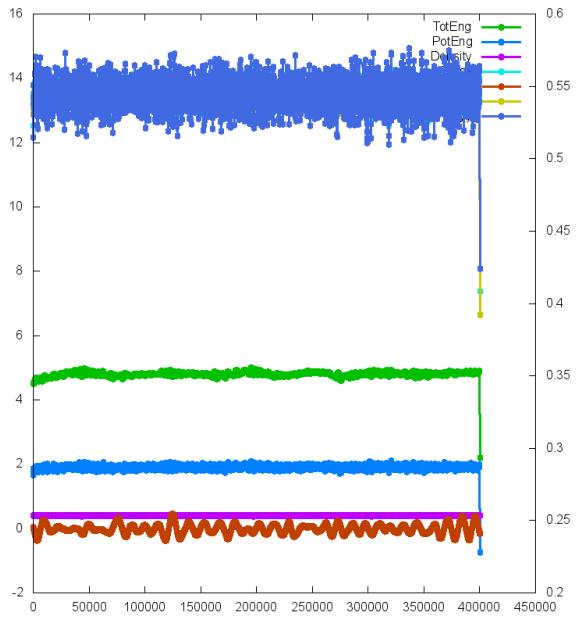


Figure 159: Snowman: Temp= 2.9, $r = 0.637556$, $d = 1.637556$, p2gg

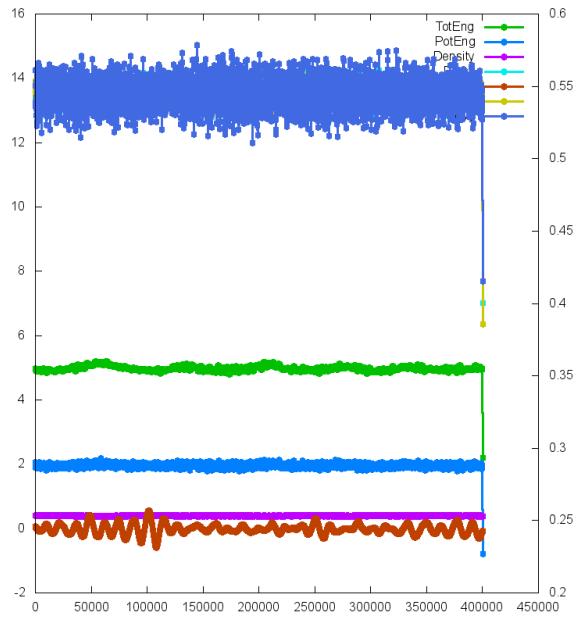


Figure 160: Snowman: Temp= 3.0, $r = 0.637556$, $d = 1.637556$, p2gg

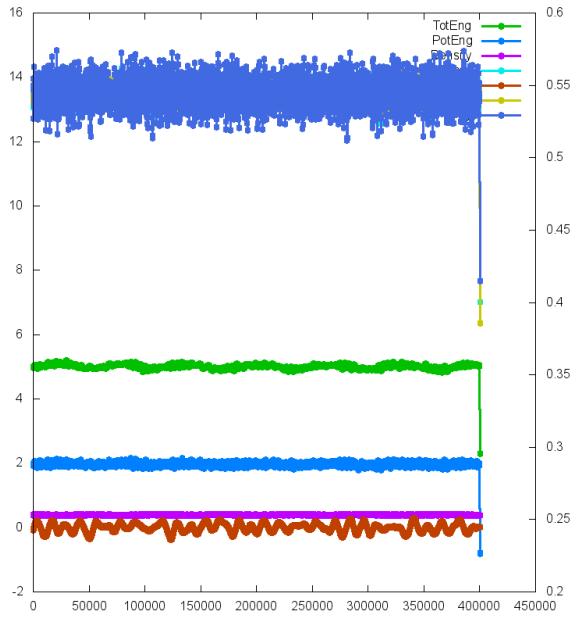


Figure 161: Snowman: Temp= 3.05, $r = 0.637556$, $d = 1.637556$, p2gg

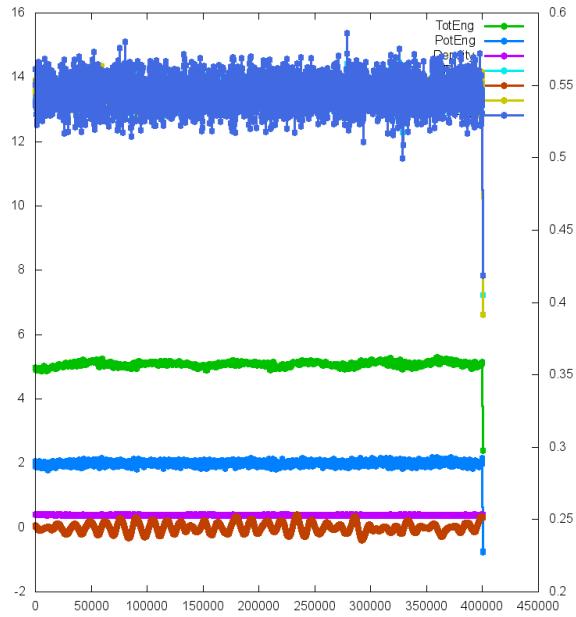


Figure 162: Snowman: Temp= 3.1, $r = 0.637556$, $d = 1.637556$, p2gg

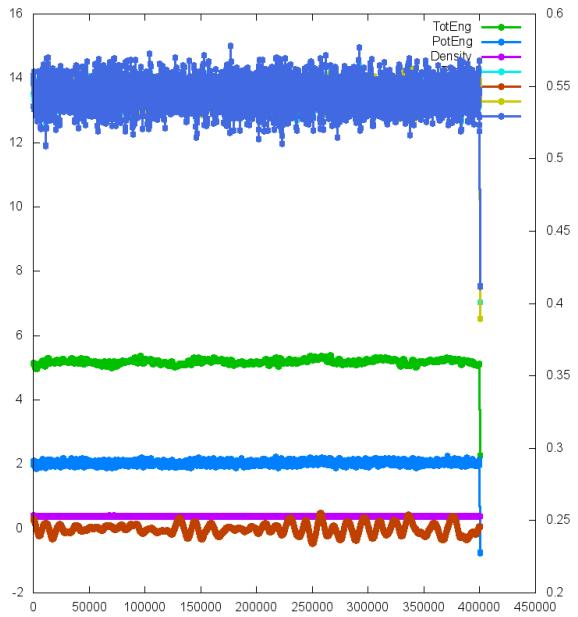


Figure 163: Snowman: Temp= 3.15, $r = 0.637556$, $d = 1.637556$, p2gg

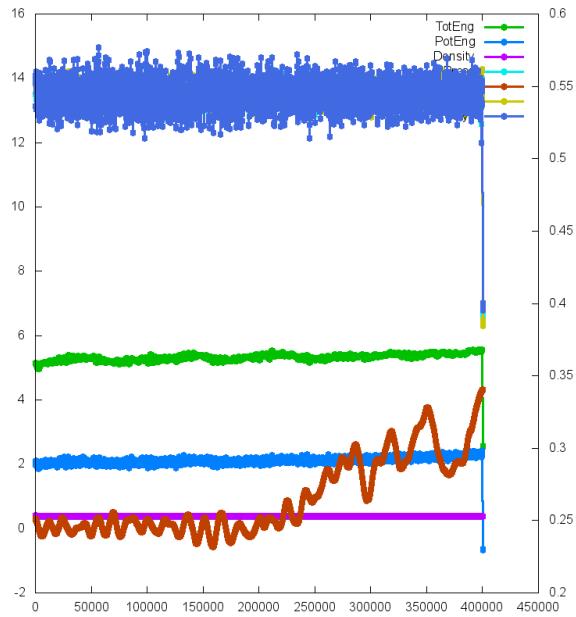


Figure 164: Snowman: Temp= 3.2, $r = 0.637556$, $d = 1.637556$, p2gg

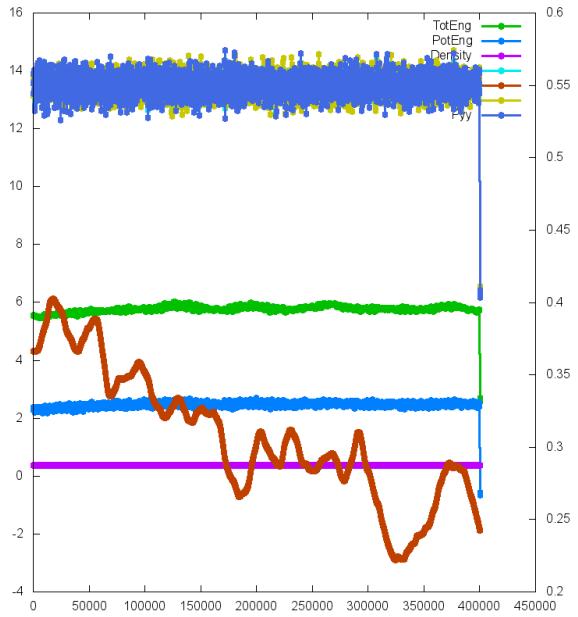


Figure 165: Snowman: Temp= 3.3, $r = 0.637556$, $d = 1.637556$, p2gg

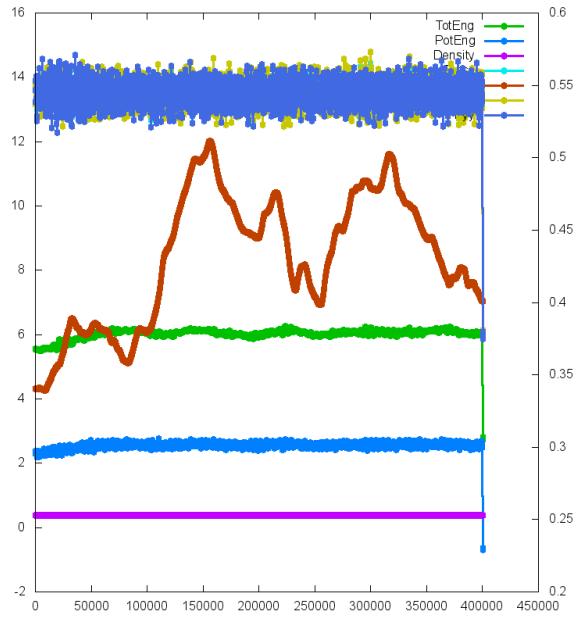


Figure 166: Snowman: Temp= 3.5, $r = 0.637556$, $d = 1.637556$, p2gg

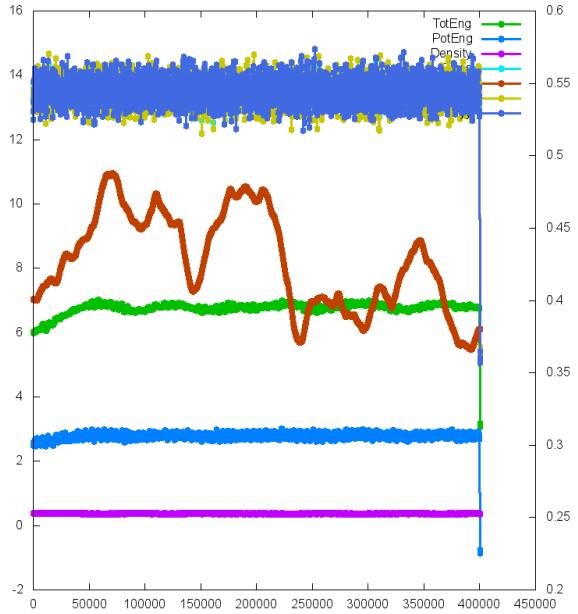


Figure 167: Snowman: Temp= 4.0, $r = 0.637556$, $d = 1.637556$, p2gg

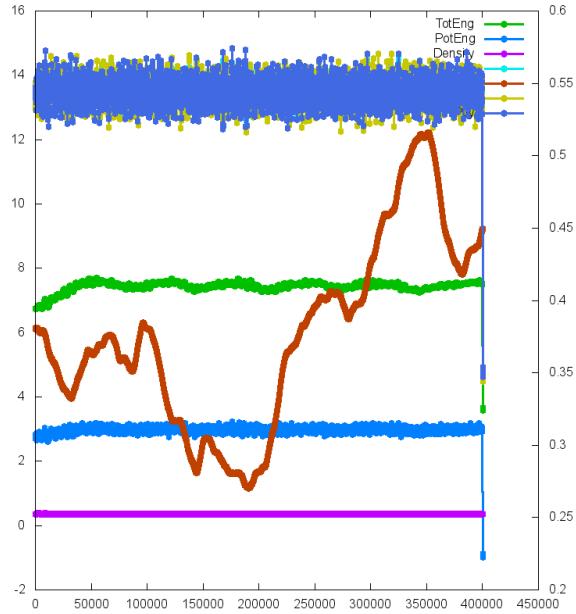


Figure 168: Snowman: Temp= 4.5, $r = 0.637556$, $d = 1.637556$, p2gg

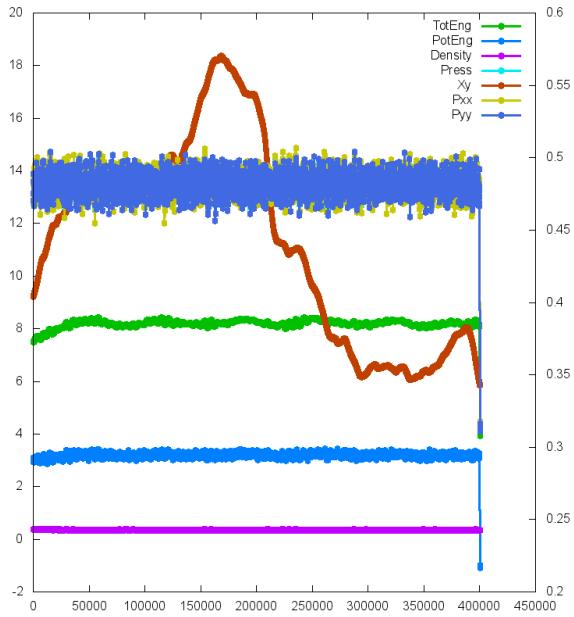


Figure 169: Snowman: Temp= 5.0, $r = 0.637556$, $d = 1.637556$, p2gg

9 Data

C1 Relaxation	0	C1 Relaxation	0
C2 Relaxation	0	C2 Relaxation	0
C3 Relaxation	0	C3 Relaxation	0
C4 Relaxation	0	C4 Relaxation	0
Diffusion Constant	0.0001	Diffusion Constant	0.0012
Average bond fraction	0.9940	Average bond fraction	0.9968
Local Order	1.0000	Local Order	1.0000
Global Order	1.0000	Global Order	1.0000
Circle Order	1.0000	Circle Order	0.9821
contacts	1.0000	contacts	0.9000
neighbours	0.6000	neighbours	0.5000
pairing	0.1667	pairing	0.1671
Density	0.4183	Density	0.4156
Total Energy	0.7788	Total Energy	0.8923
Packing Fraction	0.9241	Packing Fraction	0.9183

Table 1: Snowman: Temp= 0.2, $r = 0.637556$, Table 2: Snowman: Temp= 0.5, $r = 0.637556$, $d = 1.637556$, p2gg

C1 Relaxation	0	C1 Relaxation	0
C2 Relaxation	0	C2 Relaxation	0
C3 Relaxation	0	C3 Relaxation	0
C4 Relaxation	0	C4 Relaxation	0
Diffusion Constant	0.0014	Diffusion Constant	0.0011
Average bond fraction	0.9998	Average bond fraction	1.0020
Local Order	1.0000	Local Order	1.0000
Global Order	1.0000	Global Order	1.0000
Circle Order	1.0000	Circle Order	1.0000
contacts	1.0000	contacts	1.0000
neighbours	0.6000	neighbours	0.6000
pairing	0.1667	pairing	0.1667
Density	0.4136	Density	0.4117
Total Energy	1.0429	Total Energy	1.0941
Packing Fraction	0.9137	Packing Fraction	0.9096

Table 3: Snowman: Temp= 0.8, $r = 0.637556$, $d = 1.637556$, p2gg

C1 Relaxation	0
C2 Relaxation	0
C3 Relaxation	0
C4 Relaxation	0
Diffusion Constant	0.0019
Average bond fraction	1.0049
Local Order	1.0000
Global Order	1.0000
Circle Order	1.0000
contacts	1.0000
neighbours	0.6000
pairing	0.1667
Density	0.4095
Total Energy	1.2753
Packing Fraction	0.9046

Table 5: Snowman: Temp= 1.3, $r = 0.637556$, $d = 1.637556$, p2gg

Table 4: Snowman: Temp= 1.0, $r = 0.637556$, $d = 1.637556$, p2gg

C1 Relaxation	0
C2 Relaxation	0
C3 Relaxation	0
C4 Relaxation	0
Diffusion Constant	0.0028
Average bond fraction	1.0090
Local Order	1.0000
Global Order	1.0000
Circle Order	1.0000
contacts	1.0000
neighbours	0.6000
pairing	0.1667
Density	0.4061
Total Energy	1.4028
Packing Fraction	0.8973

Table 6: Snowman: Temp= 1.6, $r = 0.637556$, $d = 1.637556$, p2gg

C1 Relaxation	0	C1 Relaxation	0
C2 Relaxation	0	C2 Relaxation	0
C3 Relaxation	0	C3 Relaxation	0
C4 Relaxation	0	C4 Relaxation	0
Diffusion Constant	0.0027	Diffusion Constant	0.0054
Average bond fraction	1.0132	Average bond fraction	1.0165
Local Order	1.0000	Local Order	1.0000
Global Order	1.0000	Global Order	1.0000
Circle Order	1.0000	Circle Order	1.0000
contacts	1.0000	contacts	1.0000
neighbours	0.6000	neighbours	0.6000
pairing	0.1667	pairing	0.1667
Density	0.4028	Density	0.4003
Total Energy	1.5919	Total Energy	1.8201
Packing Fraction	0.8899	Packing Fraction	0.8843

Table 7: Snowman: Temp= 2.0, $r = 0.637556$, $d = 1.637556$, p2gg

C1 Relaxation	0	C1 Relaxation	0
C2 Relaxation	0	C2 Relaxation	0
C3 Relaxation	0	C3 Relaxation	0
C4 Relaxation	0	C4 Relaxation	0
Diffusion Constant	0.0050	Diffusion Constant	0.0054
Average bond fraction	1.0211	Average bond fraction	1.0235
Local Order	1.0000	Local Order	1.0000
Global Order	1.0000	Global Order	1.0000
Circle Order	1.0000	Circle Order	1.0000
contacts	1.0000	contacts	1.0000
neighbours	0.6000	neighbours	0.6000
pairing	0.1667	pairing	0.1667
Density	0.3968	Density	0.3950
Total Energy	2.0314	Total Energy	2.0312
Packing Fraction	0.8767	Packing Fraction	0.8726

Table 9: Snowman: Temp= 2.6, $r = 0.637556$, Table 10: Snowman: Temp= 2.8, $r = 0.637556$, $d = 1.637556$, p2gg

C1 Relaxation	0	C1 Relaxation	0
C2 Relaxation	0	C2 Relaxation	0
C3 Relaxation	0	C3 Relaxation	0
C4 Relaxation	0	C4 Relaxation	0
Diffusion Constant	0.0058	Diffusion Constant	0.0079
Average bond fraction	1.0244	Average bond fraction	1.0266
Local Order	1.0000	Local Order	1.0000
Global Order	1.0000	Global Order	1.0000
Circle Order	1.0000	Circle Order	1.0000
contacts	1.0000	contacts	1.0000
neighbours	0.6000	neighbours	0.6000
pairing	0.1667	pairing	0.1667
Density	0.3942	Density	0.3926
Total Energy	2.1981	Total Energy	2.2137
Packing Fraction	0.8710	Packing Fraction	0.8673

Table 11: Snowman: Temp= 2.9, $r = 0.637556$, $d = 1.637556$, p2gg

C1 Relaxation	0
C2 Relaxation	0
C3 Relaxation	0
C4 Relaxation	0
Diffusion Constant	0.0065
Average bond fraction	1.0270
Local Order	1.0000
Global Order	1.0000
Circle Order	1.0000
contacts	1.0000
neighbours	0.6000
pairing	0.1667
Density	0.3923
Total Energy	2.3006
Packing Fraction	0.8667

Table 13: Snowman: Temp= 3.05, $r = 0.637556$, $d = 1.637556$, p2gg

Table 12: Snowman: Temp= 3.0, $r = 0.637556$, $d = 1.637556$, p2gg

C1 Relaxation	0
C2 Relaxation	0
C3 Relaxation	0
C4 Relaxation	0
Diffusion Constant	0.0133
Average bond fraction	1.0251
Local Order	0.9936
Global Order	0.9916
Circle Order	0.9613
contacts	0.9000
neighbours	0.5000
pairing	0.1667
Density	0.3931
Total Energy	2.3959
Packing Fraction	0.8684

Table 14: Snowman: Temp= 3.1, $r = 0.637556$, $d = 1.637556$, p2gg

C1 Relaxation	0	C1 Relaxation	0
C2 Relaxation	0	C2 Relaxation	0
C3 Relaxation	0	C3 Relaxation	0
C4 Relaxation	0	C4 Relaxation	0
Diffusion Constant	0.0432	Diffusion Constant	0.7415
Average bond fraction	1.0263	Average bond fraction	1.0264
Local Order	0.9595	Local Order	0.7181
Global Order	0.9360	Global Order	0.5946
Circle Order	0.9345	Circle Order	0.4924
contacts	0.9000	contacts	0.9000
neighbours	0.5000	neighbours	0.5000
pairing	0.1658	pairing	0.1597
Density	0.3918	Density	0.3821
Total Energy	2.2756	Total Energy	2.5328
Packing Fraction	0.8657	Packing Fraction	0.8443

Table 15: Snowman: Temp= 3.15, $r = 0.637556$, $d = 1.637556$, p2gg

C1 Relaxation	0.319 596
C2 Relaxation	0.409 482
C3 Relaxation	0.329 583
C4 Relaxation	0.329 583
Diffusion Constant	0.8117
Average bond fraction	1.0277
Local Order	0.5279
Global Order	0.5002
Circle Order	0.2057
contacts	0.8000
neighbours	0.5000
pairing	0.1545
Density	0.3765
Total Energy	2.5979
Packing Fraction	0.8318

Table 17: Snowman: Temp= 3.3, $r = 0.637556$, $d = 1.637556$, p2gg

Table 16: Snowman: Temp= 3.2, $r = 0.637556$, $d = 1.637556$, p2gg

C1 Relaxation	0.339 57
C2 Relaxation	0.429 456
C3 Relaxation	0.309 608
C4 Relaxation	0.249 684
Diffusion Constant	0.8029
Average bond fraction	1.0295
Local Order	0.5195
Global Order	0.5009
Circle Order	0.1690
contacts	0.8000
neighbours	0.5000
pairing	0.1540
Density	0.3739
Total Energy	2.7445
Packing Fraction	0.8260

Table 18: Snowman: Temp= 3.5, $r = 0.637556$, $d = 1.637556$, p2gg

C1 Relaxation	0.169 785	C1 Relaxation	0.179 771
C2 Relaxation	0.079 898 9	C2 Relaxation	0.049 936 5
C3 Relaxation	0.169 785	C3 Relaxation	0.179 771
C4 Relaxation	0.059 924 2	C4 Relaxation	0.049 936 5
Diffusion Constant	0.8316	Diffusion Constant	0.8087
Average bond fraction	1.0349	Average bond fraction	1.0406
Local Order	0.5229	Local Order	0.5201
Global Order	0.5000	Global Order	0.5002
Circle Order	0.1524	Circle Order	0.1220
contacts	0.8000	contacts	0.8000
neighbours	0.5000	neighbours	0.5000
pairing	0.1525	pairing	0.1510
Density	0.3683	Density	0.3626
Total Energy	3.0709	Total Energy	3.5767
Packing Fraction	0.8137	Packing Fraction	0.8011

Table 19: Snowman: Temp= 4.0, $r =$ Table 20: Snowman: Temp= 4.5, $r =$
 0.637556 , $d = 1.637556$, p2gg 0.637556 , $d = 1.637556$, p2gg

C1 Relaxation	0.169 785
C2 Relaxation	0.039 949 5
C3 Relaxation	0.089 886 3
C4 Relaxation	0.019 974 7
Diffusion Constant	0.8361
Average bond fraction	1.0437
Local Order	0.5137
Global Order	0.5001
Circle Order	0.1260
contacts	0.7000
neighbours	0.5000
pairing	0.1506
Density	0.3589
Total Energy	3.9254
Packing Fraction	0.7929

Table 21: Snowman: Temp= 5.0, $r =$
 0.637556 , $d = 1.637556$, p2gg