

Polysomatism in högbomite: The crystal structures of 10*T*, 12*H*, 14*T*, and 24*R* polysomes
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Appendix 2: Observed and calculated F-values of högbomite-10*T*.

h	k	l	F(obs)	s (Fobs)	F(calc)
0	1	0	23.7066	0.3891	-22.8406
-1	2	0	168.4050	2.8020	170.9611
0	2	0	38.5527	0.5116	-41.8624
-1	3	0	17.8684	0.5592	-18.1904
0	3	0	121.5796	0.7815	122.9161
-2	4	0	391.1996	5.7248	391.5694
-1	4	0	12.4082	0.9246	-13.4187
0	4	0	33.4633	0.8964	-32.6310
-2	5	0	11.9835	1.3173	-11.9851
-1	5	0	92.5344	0.6120	91.6261
0	5	0	13.6523	1.9563	-12.4363
-3	6	0	88.3910	1.0875	89.2888
-2	6	0	26.6626	1.0941	-25.6879
-1	6	0	9.0399	3.3509	-9.4156
0	6	0	199.9171	3.5755	201.4136
-3	7	0	9.1664	3.1717	-9.9042
-2	7	0	57.1081	1.0786	54.1005
-1	1	1	16.9482	0.3764	-21.9417
0	1	1	5.6832	1.1765	-7.5004
-2	2	1	48.0828	1.3228	-50.8623
-1	2	1	5.0155	0.9749	-2.2669
0	2	1	95.2618	0.4267	-101.2125
-3	3	1	5.1353	2.4358	4.6923
-2	3	1	35.9606	0.3960	-39.3345
-1	3	1	17.8022	0.6736	-19.5812
0	3	1	10.4903	1.2168	-9.7021
-4	4	1	66.4068	0.6765	-67.7595
-3	4	1	1.0930	2.7759	-1.3133

Appendix 2: Observed and calculated F-values of hogbomite-10T

-2	4	1	7.1746	1.5195	-4.1868
-1	4	1	15.6234	0.7208	-17.3776
0	4	1	30.3282	1.3529	-30.7481
-5	5	1	13.0377	2.3780	-12.5549
-4	5	1	7.0088	1.9628	-8.9325
-3	5	1	0.8882	3.1950	-0.9777
-2	5	1	8.8956	1.5994	8.3608
-1	5	1	0.4558	3.3975	-0.4914
0	5	1	23.6353	1.2542	-24.5129
-6	6	1	6.3241	5.2198	-5.5091
-5	6	1	18.2638	1.3504	-17.5807
-4	6	1	20.8399	1.4882	-19.9537
-3	6	1	5.0030	3.6118	-6.0862
-2	6	1	48.2718	0.7630	-46.6063
-1	6	1	2.0642	4.1446	-2.2367
0	6	1	6.5519	5.1174	-3.8199
-5	7	1	1.4148	4.8928	1.2144
-4	7	1	18.5761	1.6707	-18.6662
-3	7	1	6.8984	4.4423	-6.6409
-2	7	1	6.1240	5.0184	-9.5557
0	0	2	11.5679	0.7261	15.5713
-1	1	2	16.1068	0.6328	14.2524
0	1	2	38.1337	0.3455	34.2712
-2	2	2	54.5203	1.6706	-57.4222
-1	2	2	21.8231	0.3759	25.5838
0	2	2	144.2788	0.8121	150.3460
-3	3	2	13.2047	1.0544	14.0294
-2	3	2	38.9298	0.3568	41.6317
-1	3	2	1.1506	2.8876	1.2452
0	3	2	18.8828	0.8268	18.9316
-4	4	2	110.0804	0.5842	111.0758
-3	4	2	15.4523	0.7394	15.6760

Appendix 2: Observed and calculated F-values of hogbomite-10T

-2	4	2	6.2221	1.5897	4.5450
-1	4	2	4.7464	2.4170	4.6787
0	4	2	29.2194	4.1739	-29.2283
-5	5	2	1.5041	4.8808	-1.4853
-4	5	2	14.5834	1.0533	14.2843
-3	5	2	10.2443	1.7940	-10.4638
-2	5	2	27.9207	0.6499	29.1296
-1	5	2	11.7686	1.5248	11.7422
0	5	2	36.1089	0.9597	34.9448
-6	6	2	5.1431	-1.5489	
-5	6	2	9.6664	2.4354	10.3046
-4	6	2	16.3790	2.7702	-15.8425
-3	6	2	14.2039	1.4562	14.2265
-2	6	2	85.1914	0.6803	82.7761
-1	6	2	2.8725	4.1488	2.0932
0	6	2	5.0126	-1.3546	
-5	7	2	4.0049	5.3738	3.1809
-4	7	2	22.2092	1.5865	23.2043
-3	7	2	0.7602	4.9376	-0.7270
-2	7	2	9.3028	3.8993	6.2860
0	0	3	20.4429	0.6163	21.7127
-1	1	3	37.2550	0.2841	33.8329
0	1	3	17.2655	1.0072	15.6346
-2	2	3	60.3380	0.3810	-66.6638
-1	2	3	18.9815	0.4088	17.8944
0	2	3	19.7155	1.2361	-20.6316
-3	3	3	18.2680	0.7801	16.9486
-2	3	3	9.0519	0.8187	9.5290
-1	3	3	3.9706	1.7625	-3.6248
0	3	3	11.4864	1.3331	10.2573
-4	4	3	2.4528	5.2231	2.4494
-3	4	3	15.2314	0.7922	15.3735

Appendix 2: Observed and calculated F-values of hogbomite-10T

-2	4	3	11.2363	0.9756	10.9322
-1	4	3	18.0470	0.7598	17.8598
0	4	3	67.6372	0.7552	-66.9329
-5	5	3	14.9457	1.6332	-11.4999
-4	5	3	9.8066	1.5208	9.7444
-3	5	3	26.0154	0.7270	25.8601
-2	5	3	15.6688	1.2093	15.6362
-1	5	3	14.2315	1.2664	13.5314
0	5	3	2.7908	4.8484	2.7073
-6	6	3	5.6127	5.6992	4.1466
-5	6	3	6.1258	4.0126	6.0057
-4	6	3	55.7253	0.5915	-54.5949
-3	6	3	10.8976	1.8963	11.9028
-2	6	3	6.6184	5.1892	6.5151
-1	6	3	6.7731	3.3157	7.1153
0	6	3	5.8228	4.8266	4.7583
-5	7	3	5.6569	4.7878	9.7212
-4	7	3	2.4579	4.4115	2.8862
-3	7	3	6.0458	4.7532	-5.8057
-2	7	3	4.3886	5.0840	4.8338
0	0	4	2.6554	2.3861	3.6356
-1	1	4	2.9366	2.4305	3.0931
0	1	4	31.9750	0.4876	-33.9388
-2	2	4	55.3253	0.8902	-47.1523
-1	2	4	8.9656	0.6022	-7.4756
0	2	4	85.3739	0.9280	-71.4396
-3	3	4	29.7619	0.8159	28.1939
-2	3	4	1.7170	2.7729	1.7369
-1	3	4	28.9592	0.3494	-29.8303
0	3	4	43.2406	0.8114	-39.9387
-4	4	4	26.3841	0.8289	-26.8953
-3	4	4	23.2452	0.5274	-23.8026

Appendix 2: Observed and calculated F-values of hogbomite-10T

-2	4	4	3.0975	2.7108	3.1653
-1	4	4	1.4643	3.1415	-1.4497
0	4	4	10.1394	2.5906	-10.1966
-5	5	4	17.0251	1.5098	-17.1230
-4	5	4	25.5944	0.7002	-25.5002
-3	5	4	3.8482	3.2682	3.8476
-2	5	4	12.0966	1.2938	-12.6354
-1	5	4	12.7490	1.6013	13.0591
0	5	4	4.2379	4.3890	4.1122
-6	6	4	0.2534	5.6782	-0.3087
-5	6	4	2.9288	4.4778	-2.7210
-4	6	4	2.4772	3.7829	-2.7538
-3	6	4	6.1967	3.4662	-6.9534
-2	6	4	13.8981	1.9123	-14.6491
-1	6	4	21.4503	1.2537	-19.2724
0	6	4	4.8297	5.6236	6.1540
-5	7	4	18.2756	3.4740	21.7819
-4	7	4	1.7693	4.5524	1.8102
-3	7	4	17.3080	2.0156	-15.2882
-2	7	4	26.3070	2.2814	-29.5503
0	0	5	43.6057	0.4714	-32.0922
-1	1	5	25.2059	0.6118	-24.4027
0	1	5	55.7972	0.4234	-53.7654
-2	2	5	44.5374	0.3928	39.2271
-1	2	5	199.8232	1.8970	198.7523
0	2	5	22.2987	0.8357	-19.0700
-3	3	5	154.5315	2.6058	153.9890
-2	3	5	15.3262	0.9741	-14.8749
-1	3	5	43.7512	0.3285	-43.7957
0	3	5	169.3140	2.2459	164.4466
-4	4	5	4.8560	3.6121	-4.7627
-3	4	5	29.4372	0.5627	-28.4135
-2	4	5	17.7366	0.7910	-15.7191

Appendix 2: Observed and calculated F-values of hogbomite-10T

-1	4	5	20.5112	0.8699	-20.1754
0	4	5	17.3733	1.3054	17.2493
-5	5	5	31.3154	1.0261	-30.5226
-4	5	5	116.7668	0.6044	115.2434
-3	5	5	14.3693	1.3251	-14.5099
-2	5	5	27.4841	0.7421	-27.6116
-1	5	5	110.9430	1.1670	110.0134
0	5	5	5.5574	4.7255	-5.7744
-6	6	5	5.2312	5.6527	-7.3715
-5	6	5	16.0241	1.6657	-15.5114
-4	6	5	11.8845	1.6418	9.6931
-3	6	5	100.1841	0.8189	96.6672
-2	6	5	2.0205	4.2267	-2.2000
-1	6	5	15.5587	1.7511	-16.3371
0	6	5	8.7088	5.2077	-9.3758
-4	7	5	8.0180	3.5117	-7.9868
-3	7	5	20.5335	1.7463	-20.9303
-2	7	5	82.9855	2.4629	80.9564
0	0	6	4.0614	1.6438	-2.7812
-1	1	6	82.2717	0.4695	-87.5678
0	1	6	36.7002	1.1463	-39.1414
-2	2	6	110.4901	1.7870	92.0391
-1	2	6	2.7265	2.0673	2.3191
0	2	6	125.1026	0.7352	103.3948
-3	3	6	24.4264	0.7533	23.8980
-2	3	6	62.3511	0.3250	-65.2635
-1	3	6	22.6344	0.9785	-24.0530
0	3	6	24.0569	0.9049	-23.9580
-4	4	6	59.8809	0.9705	58.2064
-3	4	6	16.0342	1.2930	-16.7058
-2	4	6	4.5480	2.4074	-5.3812
-1	4	6	46.8911	0.5527	-48.9628

Appendix 2: Observed and calculated F-values of hogbomite-10T

0	4	6	51.9380	1.0174	51.6976
-5	5	6	12.2459	3.5904	-11.8175
-4	5	6	12.5746	1.2826	-13.1929
-3	5	6	44.1527	0.6456	-45.0856
-2	5	6	17.9167	1.5990	-18.1724
-1	5	6	12.5681	1.6393	12.3239
0	5	6	43.2935	1.1790	-41.6543
-6	6	6	2.7422	5.6700	-9.6171
-5	6	6	29.9020	1.0502	-28.7987
-4	6	6	35.8770	0.8987	38.2102
-3	6	6	5.6882	3.6664	0.2802
-2	6	6	38.7610	1.0270	40.0905
-1	6	6	4.2234	4.9330	-3.8535
0	6	6	3.3716	5.6857	-3.5686
-5	7	6	12.4421	5.6257	14.2443
-4	7	6	30.6263	1.3457	-30.6789
-3	7	6	5.8367	5.9385	-5.3482
0	0	7	20.4586	0.7863	25.2443
-1	1	7	174.7365	1.2610	178.5447
0	1	7	4.1877	10.0049	-4.3603
-2	2	7	137.7950	1.0849	116.2329
-1	2	7	3.1700	1.8762	3.1189
0	2	7	87.0785	0.8658	-73.1950
-3	3	7	5.7750	2.0888	3.3708
-2	3	7	137.3248	0.7410	140.1307
-1	3	7	11.5234	4.0972	11.6926
0	3	7	2.3517	3.4631	2.7556
-4	4	7	44.0785	1.8916	-43.5713
-3	4	7	3.8406	6.3712	3.8421
-2	4	7	14.4648	0.9289	15.4387
-1	4	7	107.0861	0.7101	105.9717
0	4	7	72.2603	1.5111	69.6427

Appendix 2: Observed and calculated F-values of hogbomite-10T

-5	5	7	12.3216	6.1262	12.3660
-4	5	7	3.2729	-1.2013	
-3	5	7	92.5713	0.8046	92.3082
-2	5	7	5.0920	5.9019	-5.0888
-1	5	7	2.6922	3.5309	-1.3846
0	5	7	86.7456	1.3620	85.6771
-6	6	7	7.2541	5.7682	6.9623
-5	6	7	64.9666	0.7286	63.7783
-4	6	7	48.2493	0.7326	49.5487
-3	6	7	2.4739	3.8105	-4.3815
-2	6	7	30.9333	1.3443	-32.0000
-1	6	7	11.1629	4.6173	10.7683
0	6	7	11.3697	4.2029	7.2642
-5	7	7	9.7352	6.6147	-1.7584
-4	7	7	62.4745	1.1451	62.9795
-3	7	7	11.1299	6.2954	11.2606
0	0	8	3.3392	2.2893	1.3875
-1	1	8	75.2791	2.4360	76.1600
0	1	8	174.6716	0.6721	-174.9637
-2	2	8	4.6819	5.0062	4.3744
-1	2	8	3.9233	1.5966	-4.1582
0	2	8	71.7083	0.4674	66.1010
-3	3	8	3.7213	2.9551	-3.6068
-2	3	8	86.6177	1.0845	87.6248
-1	3	8	158.1322	1.3794	-156.7166
0	3	8	4.4886	3.2675	4.4436
-4	4	8	36.6728	0.9438	37.6239
-3	4	8	112.2440	0.6327	-113.3523
-2	4	8	8.6883	1.4714	8.7365
-1	4	8	55.9691	1.2953	56.2572
0	4	8	2.7215	5.2301	2.7880
-5	5	8	100.8298	1.0389	-104.6357

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-4	5	8	3.3431	1.4542	
-3	5	8	29.0726	1.5755	29.4478
-2	5	8	88.0591	0.9470	-88.7863
-1	5	8	3.7240	-3.6213	
0	5	8	62.0400	2.2468	62.4182
-6	6	8	7.8844	10.9941	
-5	6	8	48.3222	1.2873	49.2821
-4	6	8	2.3307	4.2584	2.2024
-3	6	8	4.9524	3.8962	-4.2418
-2	6	8	25.9794	1.0782	24.2983
-1	6	8	78.4750	0.9321	-79.7017
0	6	8	7.4087	7.6292	11.0550
-5	7	8	6.9217	-0.3492	
-4	7	8	47.1264	3.3626	49.3129
-3	7	8	75.7090	2.2854	-80.3639
0	0	9	7.8622	1.1077	-8.3278
-1	1	9	39.9069	0.4442	41.2244
0	1	9	41.1869	0.5611	42.6071
-2	2	9	21.1223	0.8090	-21.3062
-1	2	9	14.7590	0.6318	14.9148
0	2	9	45.0911	0.4890	44.7945
-3	3	9	5.2202	2.4786	5.0889
-2	3	9	45.2167	0.7249	44.7450
-1	3	9	63.9137	0.5448	63.2085
0	3	9	17.9942	1.1979	16.7156
-4	4	9	25.2928	1.0511	24.9723
-3	4	9	35.0404	0.5950	35.5484
-2	4	9	6.3857	2.1291	-6.4570
-1	4	9	25.9701	1.0646	26.0937
0	4	9	16.4562	2.2311	-15.8708
-5	5	9	48.9083	1.1398	50.8430
-4	5	9	12.0679	1.4398	13.1688

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-3	5	9	13.5303	1.2901	13.5111
-2	5	9	12.5225	1.6383	12.0977
-1	5	9	4.5939	3.8886	4.7313
0	5	9	31.5044	1.9969	31.6254
-6	6	9	9.2273	5.6127	-4.1882
-5	6	9	21.0043	1.5361	21.1534
-4	6	9	16.3245	1.7193	-15.7651
-3	6	9	9.7587	2.4956	9.3826
-2	6	9	17.2994	1.6092	16.0848
-1	6	9	34.7602	1.1197	36.7781
0	6	9	9.1069	7.8087	-3.9040
-3	7	9	37.7148	3.0882	39.8539
-2	7	9	21.0575	4.0420	12.5122
0	0	10	47.2220	0.6051	-19.7472
-1	1	10	15.7161	0.5369	15.5530
0	1	10	5.4869	1.6600	5.6770
-2	2	10	71.9995	0.3880	-70.1901
-1	2	10	9.3604	0.8117	-10.9076
0	2	10	12.7724	2.1642	-12.4203
-3	3	10	1.8662	3.1806	-2.4275
-2	3	10	11.6599	0.8544	10.6275
-1	3	10	5.8773	1.9624	6.5430
0	3	10	3.4834	-4.2097	
-4	4	10	8.3335	5.6882	-8.6938
-3	4	10	2.3498	3.0453	2.3333
-2	4	10	30.3610	0.8544	30.0048
-1	4	10	9.5153	1.8087	8.5685
0	4	10	45.4883	0.9587	-44.6948
-5	5	10	5.4649	4.5071	6.0208
-4	5	10	9.2724	1.9095	-8.9252
-3	5	10	8.1512	2.1159	6.9093
-2	5	10	2.8863	3.6493	2.8631

Appendix 2: Observed and calculated F-values of hogbomite-10T

-1	5	10	8.7969	2.4505	-7.9662
0	5	10	6.0121	5.1235	4.6845
-6	6	10	30.2893	3.1151	28.4804
-5	6	10	9.9272	2.3681	4.3823
-4	6	10	30.4266	0.9403	-32.2444
-3	6	10	16.4233	1.6609	-15.9796
-2	6	10	6.4345	4.6726	-6.5911
-1	6	10	1.0343	4.5846	0.6307
-3	7	10	6.6761	6.7533	3.2065
0	0	11	7.5200	1.3099	7.7370
-1	1	11	11.2847	0.7474	-11.9440
0	1	11	8.9720	0.9340	-9.5804
-2	2	11	35.5582	3.1092	-34.4341
-1	2	11	13.4607	0.6477	-12.3003
0	2	11	105.1286	0.5039	-102.5096
-3	3	11	13.4971	1.2349	-14.1269
-2	3	11	16.2789	0.6861	14.1421
-1	3	11	7.5928	1.7228	7.1101
0	3	11	7.1018	2.7879	-7.5055
-4	4	11	68.5413	0.7650	-69.8721
-3	4	11	2.9217	3.1855	-2.6427
-2	4	11	3.6921	3.2661	3.2520
-1	4	11	1.1587	3.4473	-2.0067
0	4	11	21.1255	2.9226	-21.2375
-5	5	11	12.0944	2.7588	13.8145
-4	5	11	5.8291	3.1489	-6.3337
-3	5	11	15.9555	1.1951	-15.7516
-2	5	11	7.4543	2.8618	-7.4972
-1	5	11	7.0889	3.0990	-8.7152
0	5	11	17.8343	2.3440	19.5386
-6	6	11	0.9984	6.1653	0.8723
-5	6	11	8.2179	2.9825	9.1779

Appendix 2: Observed and calculated F-values of hogbomite-10T

-4	6	11	15.0733	2.7586	-15.5236
-3	6	11	4.5181	3.9309	-5.6799
-2	6	11	54.4901	0.8211	-55.9774
-1	6	11	5.0270	4.6633	4.8365
-4	7	11	16.4812	5.0963	14.6813
-3	7	11	8.4854	8.5818	10.8784
0	0	12	15.0518	0.8840	-14.4996
-1	1	12	62.3176	0.5027	63.5937
0	1	12	17.6892	1.3176	18.4091
-2	2	12	19.7226	15.8475	19.1792
-1	2	12	2.2950	2.7707	
0	2	12	226.7692	0.9038	222.7415
-3	3	12	7.8029	2.0332	6.4818
-2	3	12	31.7996	0.5818	30.8520
-1	3	12	33.7580	0.6836	34.1240
0	3	12	0.5003	3.6612	-0.4018
-4	4	12	150.4365	0.8494	149.2264
-3	4	12	19.0307	1.5051	19.0556
-2	4	12	9.6084	1.7153	-9.1090
-1	4	12	42.0840	0.7288	42.4566
0	4	12	14.2155	7.8727	13.9062
-5	5	12	28.7623	1.3590	30.7161
-4	5	12	3.4255	3.6645	-3.7197
-3	5	12	43.6080	0.7325	42.2576
-2	5	12	4.6195	4.6629	4.7233
-1	5	12	1.4662	3.9717	1.1450
0	5	12	6.0349	5.7716	5.9490
-5	6	12	21.9760	1.4289	22.4598
-4	6	12	9.6970	7.3310	9.7005
-3	6	12	4.1185	-4.7488	
-2	6	12	113.4130	0.8262	112.5846
-1	6	12	23.0474	1.6462	23.5295

Appendix 2: Observed and calculated F-values of hogbomite-10T

0	0	13	16.8850	0.9380	-17.1253
-1	1	13	52.0131	0.7167	53.0517
0	1	13	103.3585	0.3727	-103.7269
-2	2	13	285.8061	2.6598	-280.9420
-1	2	13	1.6235	2.2616	-2.2843
0	2	13	160.6044	4.3434	158.9644
-3	3	13	3.3100	-2.4890	
-2	3	13	47.6714	0.6960	47.9067
-1	3	13	74.2598	0.7070	-75.4569
0	3	13	2.3661	3.7220	2.1567
-4	4	13	108.0932	3.6324	110.1595
-3	4	13	76.0197	0.6510	-75.5175
-2	4	13	12.0761	1.3961	-10.6086
-1	4	13	38.0287	1.1822	38.6010
0	4	13	199.2638	1.7283	-193.2949
-5	5	13	41.1070	1.3665	-40.4482
-4	5	13	3.6764	2.7083	
-3	5	13	30.4751	1.5468	29.9665
-2	5	13	66.6586	0.8101	-65.2152
-1	5	13	0.0944	4.0039	-0.0632
0	5	13	32.0922	1.9587	31.6499
-5	6	13	27.2932	2.0759	28.2448
-4	6	13	146.3200	0.7937	-147.2299
-3	6	13	4.1828	1.3767	
-2	6	13	81.6661	2.0631	83.1926
-1	6	13	50.2475	1.7717	-51.6096
0	0	14	36.9922	0.8302	36.6062
-1	1	14	26.0627	0.5758	27.9759
0	1	14	28.9355	0.5180	30.8611
-2	2	14	145.7516	2.1703	140.3520
-1	2	14	16.3770	0.6240	16.2476
0	2	14	94.4970	1.7817	92.2551

Appendix 2: Observed and calculated F-values of hogbomite-10T

-3	3	14	4.8273	4.0448	-5.0725
-2	3	14	17.9607	0.8736	18.0618
-1	3	14	16.5281	0.9531	17.5109
0	3	14	29.9328	0.9275	31.4613
-4	4	14	59.1403	1.3940	58.2727
-3	4	14	24.6409	0.9506	24.7930
-2	4	14	23.9977	0.9460	25.1365
-1	4	14	19.9562	1.2061	19.4265
0	4	14	99.3639	0.8688	97.1926
-5	5	14	6.9503	5.0880	4.9557
-4	5	14	21.9087	1.0754	22.5098
-3	5	14	15.1885	1.7797	14.5790
-2	5	14	27.6603	1.3205	25.2056
-1	5	14	0.4228	4.3780	-0.4462
0	5	14	7.5540	5.5738	3.5493
-5	6	14	10.3640	4.2746	10.1924
-4	6	14	74.5912	0.8373	74.7813
-3	6	14	10.8845	2.4913	10.9570
-2	6	14	40.7584	1.6723	41.6855
-1	6	14	12.9379	6.9682	14.3266
0	0	15	118.4452	1.0527	-124.8012
-1	1	15	0.9264	2.8827	0.9308
0	1	15	17.1588	0.7655	18.0820
-2	2	15	45.4618	0.5740	45.7073
-1	2	15	3.3403	2.4193	-5.1232
0	2	15	16.6368	1.5603	16.6834
-3	3	15	0.3250	3.6403	0.2964
-2	3	15	2.0630	3.1719	-2.0045
-1	3	15	13.6138	0.9091	15.8985
0	3	15	7.3443	2.9275	-7.7403
-4	4	15	6.5444	4.9583	6.5606
-3	4	15	9.3182	1.9572	8.7461

Appendix 2: Observed and calculated F-values of hogbomite-10T

-2	4	15	95.8195	0.7428	-93.9212
-1	4	15	2.0892	3.4393	2.7365
0	4	15	37.6805	1.0133	37.6683
-5	5	15	7.4414	5.2360	13.6743
-4	5	15	2.2896	3.8985	-1.7006
-3	5	15	0.2259	3.9464	-0.1896
-2	5	15	7.6860	2.7253	10.5071
-1	5	15	3.3643	4.1428	3.2776
0	5	15	5.6878	5.7095	-5.8099
-5	6	15	7.0743	6.5745	2.6769
-4	6	15	30.2731	1.0628	30.4863
-3	6	15	5.4152	4.3680	3.6230
-2	6	15	2.4759	4.9336	2.4995
0	0	16	37.4788	1.1624	-36.9987
-1	1	16	22.7530	0.8134	22.5669
0	1	16	24.6468	0.7472	24.7977
-2	2	16	6.0876	3.5314	-6.1276
-1	2	16	15.4162	0.7104	-15.3438
0	2	16	33.0012	0.6548	33.4209
-3	3	16	32.2722	0.9457	-33.2101
-2	3	16	9.3216	1.6027	9.3430
-1	3	16	16.4545	0.8405	16.1310
0	3	16	7.6988	5.7425	7.9742
-4	4	16	30.9778	1.3975	30.4838
-3	4	16	14.4992	1.4192	13.7253
-2	4	16	25.1655	0.9559	-25.2256
-1	4	16	11.5157	1.6240	12.6823
0	4	16	0.1592	5.3196	0.1492
-5	5	16	13.1374	3.2097	9.7587
-4	5	16	2.7657	4.2932	2.8240
-3	5	16	20.5900	1.2708	21.4677
-2	5	16	16.6560	1.6276	16.7108
-1	5	16	25.6476	1.1397	-25.4907

Appendix 2: Observed and calculated F-values of hogbomite-10T

0	5	16	4.6646	5.8045	3.6562
-5	6	16	3.2906	7.4320	1.9480
-4	6	16	1.0672	5.7343	1.0564
-3	6	16	12.3200	3.0798	-11.8993
-2	6	16	22.6171	3.6890	26.5605
0	0	17	6.0411	3.6848	9.4417
-1	1	17	38.3379	0.6593	39.1714
0	1	17	32.6673	0.8081	32.4863
-2	2	17	18.5930	1.2283	-18.9216
-1	2	17	13.0104	0.8533	-13.2815
0	2	17	30.5422	0.7508	-31.2610
-3	3	17	13.0056	2.1323	-14.1791
-2	3	17	29.0089	0.6800	29.3610
-1	3	17	15.4652	1.1060	15.4903
0	3	17	10.7486	2.3414	-10.9241
-4	4	17	27.2835	1.6012	-27.5782
-3	4	17	21.5661	1.2980	21.5678
-2	4	17	3.4990	4.2264	
-1	4	17	32.9663	0.8032	32.0246
0	4	17	11.3524	3.1564	-11.4456
-5	5	17	6.4689	5.6770	5.4214
-4	5	17	6.7228	3.8805	-6.6933
-3	5	17	28.7035	1.1673	28.3071
-2	5	17	29.5897	1.1405	29.8487
-1	5	17	10.0642	2.6810	-9.0462
0	5	17	16.6609	3.0389	14.8624
-4	6	17	6.9244	7.3112	-7.3589
-3	6	17	5.8846	-4.4222	
-2	6	17	23.3395	3.3589	-22.1064
0	0	18	16.3672	1.7387	16.8691
-1	1	18	65.3583	0.9646	64.7106
0	1	18	96.9879	0.6705	-95.1965

Appendix 2: Observed and calculated F-values of hogbomite-10T

-2	2	18	25.9277	1.0488	28.0028
-1	2	18	6.7217	1.8174	-7.8230
0	2	18	27.9832	0.8802	-30.1009
-3	3	18	5.3891	4.4135	-4.5826
-2	3	18	42.3781	1.1374	40.6336
-1	3	18	70.2885	0.5557	-68.7863
0	3	18	12.2324	2.0690	-10.4242
-4	4	18	18.7920	2.4187	-19.6292
-3	4	18	72.8645	0.7550	-71.1306
-2	4	18	12.3361	1.5241	12.0907
-1	4	18	46.0892	1.0329	44.5435
0	4	18	20.7523	1.7551	22.2611
-4	5	18	8.7175	3.1058	-4.7220
-3	5	18	53.1297	1.1492	52.6865
-2	5	18	73.6420	0.8571	-71.4600
-1	5	18	0.8791	4.4361	-0.4505
0	5	18	23.1566	3.6712	21.5914
-4	6	18	19.2975	4.8168	16.4752
0	0	19	20.7745	1.5996	18.0740
-1	1	19	18.5172	2.0746	18.5894
0	1	19	50.1339	0.6785	50.8468
-2	2	19	4.8385	3.7877	-4.8911
-1	2	19	26.7310	0.7300	27.1526
0	2	19	15.9853	1.2339	-17.1470
-3	3	19	28.2181	1.3957	27.2168
-2	3	19	10.1407	2.0055	9.7933
-1	3	19	34.4278	0.6390	33.3534
0	3	19	21.7583	1.5738	21.2050
-4	4	19	13.6609	2.9849	-15.3625
-3	4	19	35.4994	0.8464	35.1861
-2	4	19	14.8716	1.4205	14.2061
-1	4	19	10.8911	2.6600	11.0292

Appendix 2: Observed and calculated F-values of hogbomite-10T

0	4	19	1.9701	4.8204	-2.7541
-4	5	19	16.6793	2.1061	16.6358
-3	5	19	12.1467	3.0655	12.8060
-2	5	19	39.7688	0.9489	40.7214
-1	5	19	20.9069	1.5758	21.1131
0	0	20	117.4320	1.8930	109.8193
-1	1	20	24.4550	1.6687	-24.7009
0	1	20	51.4189	0.7233	50.8008
-2	2	20	15.4431	1.7386	16.3124
-1	2	20	98.4231	0.6472	-98.7581
0	2	20	13.3779	1.7015	-14.0420
-3	3	20	92.1868	1.8648	-89.8738
-2	3	20	20.9338	1.2967	-21.1156
-1	3	20	42.3157	0.6836	42.9573
0	3	20	86.9715	1.0728	-85.7069
-4	4	20	9.7385	6.1524	-11.0196
-3	4	20	40.1554	0.8705	40.5869
-2	4	20	77.1262	0.8489	77.7414
-1	4	20	20.0929	1.6598	-20.4966
0	4	20	10.4846	3.4449	11.2063
-4	5	20	63.5207	1.7451	-61.1310
-3	5	20	18.4879	2.2502	-18.4835
-2	5	20	33.8625	1.1064	34.8747
-1	5	20	67.3918	1.4389	-64.1519
0	0	21	28.6195	2.5240	-25.4408
-1	1	21	88.2786	0.8267	89.1414
0	1	21	56.5896	1.3079	55.7102
-2	2	21	28.7691	1.5279	28.2600
-1	2	21	32.0992	0.7993	-32.7918
0	2	21	45.6309	0.8611	44.2832
-3	3	21	18.2439	3.1970	-18.3158
-2	3	21	71.8791	0.6981	70.5897

Appendix 2: Observed and calculated F-values of hogbomite-10T

-1	3	21	38.9261	1.2253	39.0562
0	3	21	36.6797	1.2696	-38.4293
-4	4	21	33.5785	1.6936	35.3798
-3	4	21	42.1923	1.2506	41.4000
-2	4	21	18.5846	1.4544	-19.5469
-1	4	21	67.9163	0.8374	67.8044
0	4	21	18.8865	2.4955	18.6124
-4	5	21	31.6400	1.8391	-30.4615
-3	5	21	65.5197	1.2890	66.8139
-2	5	21	40.6039	1.7939	41.3993
-1	5	21	15.4759	3.5567	-16.0872
0	0	22	23.6668	2.8865	-22.6262
-1	1	22	54.6314	0.8595	-54.3770
0	1	22	23.0857	2.0438	22.9142
-2	2	22	19.8716	1.4982	21.9013
-1	2	22	2.7282	3.6786	1.9079
0	2	22	0.6981	4.6520	0.8034
-3	3	22	5.0319	1.2899	
-2	3	22	33.4358	0.9017	-31.8358
-1	3	22	12.3266	2.2204	12.8400
0	3	22	4.8887	4.9491	1.2598
-4	4	22	3.7452	5.3984	4.0356
-3	4	22	14.9855	2.4692	15.0352
-2	4	22	18.0492	1.5499	-17.2162
-1	4	22	44.8576	0.9139	-44.6936
0	4	22	19.1948	2.1313	17.0833
-3	5	22	46.6006	1.4118	-48.2194
-2	5	22	19.1190	5.5062	19.0102
0	0	23	13.1089	4.6988	-14.3457
-1	1	23	0.1880	4.6237	0.1841
0	1	23	22.8189	1.6757	22.5190
-2	2	23	32.7033	1.1810	-31.4165

Appendix 2: Observed and calculated F-values of hogbomite-10T

-1	2	23	13.1760	1.6173	13.9140
0	2	23	19.1734	2.1477	17.5729
-3	3	23	16.4860	2.5194	14.3860
-2	3	23	1.7137	4.0885	-2.0934
-1	3	23	9.7274	2.3552	10.3552
0	3	23	8.4481	5.6714	10.7863
-3	4	23	19.4596	1.6622	20.1796
-2	4	23	9.9004	3.0175	-10.7898
-1	4	23	0.8722	4.9330	0.9287
0	4	23	28.0508	3.6132	-28.1794
0	0	24	33.1613	2.6680	34.6847
-1	1	24	0.4136	5.2930	0.3696
0	1	24	18.2262	2.1089	17.8646
-2	2	24	13.7817	2.3986	14.1147
-1	2	24	15.3651	1.5127	15.5146
0	2	24	14.5536	2.3785	-15.2963
-3	3	24	29.1647	1.6628	28.7755
-2	3	24	0.8745	4.3669	0.8833
-1	3	24	18.3490	1.4223	18.7463
0	3	24	0.4806	6.4045	-0.4751
-3	4	24	15.3915	2.7242	13.2600
-2	4	24	27.2595	1.6016	28.2923
-1	4	24	2.6367	4.9874	-2.6280
0	0	25	148.1546	2.2035	-145.2515
-1	1	25	20.3091	2.1341	-20.2871
0	1	25	11.8066	3.5727	11.9110
-2	2	25	65.4955	1.0066	66.2367
-1	2	25	17.1365	1.6689	-15.5548
0	2	25	34.7446	1.9075	-35.3358
-3	3	25	16.9228	2.6962	-14.0966
-2	3	25	18.2661	1.6929	-16.8339
-1	3	25	9.7636	2.9483	9.8032
0	3	25	13.0763	4.5408	-10.5202

Appendix 2: Observed and calculated F-values of hogbomite-10T

-3	4	25	9.6793	8.6048	12.7664
-2	4	25	112.9067	2.5183	-112.0632
-1	4	25	18.6616	2.7349	-18.7398
0	0	26	48.3621	2.5588	-40.0027
-1	1	26	43.8054	1.3272	42.8902
0	1	26	13.5851	4.1777	13.1767
-2	2	26	74.8356	1.7375	73.9051
-1	2	26	27.7256	1.2758	-26.2456
0	2	26	114.7597	1.1631	114.5140
-3	3	26	15.1084	4.2656	-15.9182
-2	3	26	44.3133	0.9207	43.6050
-1	3	26	15.5482	2.8533	15.5971
0	3	26	31.6311	2.9741	-32.6482
0	0	27	20.6865	3.9791	21.2645
-1	1	27	11.4081	3.9757	-10.7215
0	1	27	2.6896	5.5329	-3.0117
-2	2	27	23.4452	3.5645	23.3764
-1	2	27	2.9547	4.8826	5.9271
0	2	27	88.9209	1.1167	-90.8691
-2	3	27	14.9062	2.9629	-11.9201
-1	3	27	4.0999	6.7172	4.2662
0	0	28	42.8190	2.8639	45.1958
-1	1	28	9.8814	4.9133	-12.2201
0	1	28	11.2951	4.2980	10.2897
-2	2	28	62.8954	2.1723	59.9280
-1	2	28	22.7910	2.6245	21.4578
0	2	28	20.2351	6.9182	-18.9862
-1	1	29	15.6649	6.1483	-12.4742
0	1	29	17.5573	5.2624	16.9328
-1	2	29	11.2110	8.2764	5.6267
0	2	29	8.2764	8.5123	-5.5913