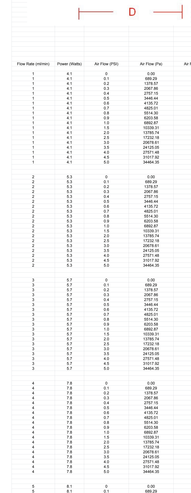
Wide Spray Shaper Specs

"Note: Given data is to be used as a reference, actual data may vary"



Z-MAX
(Nozzle Height)
9.2 (in)
157.46 (mm)

Diameter Calculation

(Nozzle Height)

1.) Choose your Z Height between 9 and Z-MAX

2) Use the chart below to find the angle (According to your flow rate and pressure)

3) Plug into the formula below to find the diameter at your Z Height and spray angle

Enter Z Height on line Below

9

Enter Angle in radians on line Below

0

Calculated Diameter

0.000

Flow Rate (mlt/min)	Power (Watts)	Air Flow (Pls)	Air Flow (lbs)	Air Flow (Sec)	Spray Angle (Degrees)	Spray Angle (Radians)	Spray Diameter (mm)	Z Height (in)	Z Height (mm)	Spray Volume (m^3)	Spray Volume (mm^3)	Spray Area (m^2)	Spray Area (mm^2)	Spray Density per minute % Water by Volume
1	4.1	0	0.00	0.00	14.35	0.25	0.34	8.64	1.35	34.29	0.04	669.50	0.09	58.57	50.63
1	4.1	0.1	689.29	0.01	16.14	0.28	0.38	9.72	1.35	34.29	0.05	1053.05	0.15	92.12	79.63
1	4.1	0.2	1378.57	0.01	21.09	0.37	0.51	12.93	1.35	34.29	0.09	1938.37	0.34	151.79	96.36
1	4.1	0.3	2067.86	0.02	24.85	0.43	0.59	14.99	1.35	34.29	0.12	2616.02	0.27	176.38	49.60
1	4.1	0.4	2757.15	0.03	27.71	0.48	0.66	16.71	1.35	34.29	0.14	3132.31	0.22	196.67	28.70
1	4.1	0.5	3446.44	0.03	31.84	0.55	0.77	19.43	1.35	34.29	0.21	3988.33	0.48	256.02	29.50
1	4.1	0.6	4135.72	0.04	34.95	0.61	0.85	21.59	1.35	34.29	0.26	4184.36	0.37	366.09	23.90
1	4.1	0.7	4825.01	0.05	37.99	0.66	0.93	23.72	1.35	34.29	0.31	4599.85	0.44	445.31	20.71
1	4.1	0.8	5514.30	0.06	41.46	0.72	1.02	25.92	1.35	34.29	0.37	4629.69	0.52	537.53	16.08
1	4.1	0.9	6203.58	0.06	44.54	0.78	1.11	28.09	1.35	34.29	0.43	5060.71	0.96	619.48	14.12
1	4.1	1	6892.87	0.07	47.76	0.83	1.19	30.27	1.35	34.29	0.49	5491.73	1.11	742.77	12.60
1	4.1	1.1	7582.01	0.08	51.19	0.89	1.29	32.67	1.35	34.29	0.56	6038.76	1.48	942.12	10.92
1	4.1	2.0	13785.74	0.14	55.10	0.96	1.41	35.81	1.35	34.29	0.70	11014.97	1.56	1007.36	8.69
1	4.1	2.5	17232.18	0.17	61.03	1.07	1.60	40.67	1.35	34.29	0.91	13961.21	1.94	1298.17	8.04
1	4.1	3.0	20678.61	0.21	62.92	1.10	1.65	41.96	1.35	34.29	0.96	15905.59	2.14	1382.62	6.33
1	4.1	3.5	24125.05	0.24	67.56	1.18	1.74	44.14	1.35	34.29	1.06	17238.52	2.39	1543.66	6.03
1	4.1	4.0	27571.48	0.28	65.98	1.14	1.72	43.74	1.35	34.29	1.05	17127.49	2.32	1497.42	5.66
1	4.1	4.5	31017.92	0.31	65.27	1.14	1.73	43.92	1.35	34.29	1.06	17313.33	2.35	1514.73	5.79
1	4.1	5	34464.35	0.34	65.27	1.14	1.73	43.92	1.35	34.29	1.06	17313.33	2.35	1514.73	5.79
2	5.3	0	0.00	0.00	14.35	0.25	0.34	8.64	1.35	34.29	0.04	669.50	0.09	58.57	98.73
2	5.3	0.1	689.29	0.01	16.14	0.28	0.43	10.95	1.35	34.29	0.07	1053.05	0.15	92.12	14.10
2	5.3	0.2	1378.57	0.01	21.86	0.38	0.52	13.29	1.35	34.29	0.10	1578.09	0.21	138.07	73.26
2	5.3	0.3	2067.86	0.02	24.85	0.43	0.59	14.99	1.35	34.29	0.12	2616.02	0.27	176.38	49.60
2	5.3	0.4	2757.15	0.03	29.23	0.51	0.70	17.66	1.35	34.29	0.16	3309.38	0.39	231.12	66.66
2	5.3	0.5	3446.44	0.03	31.84	0.55	0.80	20.19	1.35	34.29	0.22	3993.37	0.50	320.24	54.64
2	5.3	0.6	4135.72	0.04	34.95	0.61	0.85	21.59	1.35	34.29	0.26	4184.36	0.37	366.09	23.90
2	5.3	0.7	4825.01	0.05	39.70	0.69	0.98	24.82	1.35	34.29	0.34	5026.15	0.75	451.65	36.18
2	5.3	0.8	5514.30	0.06	43.16	0.75	1.07	27.13	1.35	34.29	0.40	6600.92	0.90	577.95	35.28
2	5.3	0.9	6203.58	0.06	46.46	0.81	1.15	29.44	1.35	34.29	0.47	7781.72	1.05	689.02	25.71
2	5.3	1	6892.87	0.07	49.76	0.87	1.23	31.24	1.35	34.29	0.52	8390.39	1.13	772.77	21.18
2	5.3	1.1	7582.01	0.08	51.19	0.90	1.30	32.99	1.35	34.29	0.60	9772.58	1.33	854.99	22.47
2	5.3	2.0	13785.74	0.14	55.10	0.96	1.41	35.81	1.35	34.29	0.70	11014.97	1.56	1007.36	16.86
2	5.3	2.5	17232.18	0.17	58.57	0.99	1.45	36.91	1.35	34.29	0.75	12227.56	1.66	1060.73	16.36
2	5.3	3.0	20678.61	0.21	62.92	1.10	1.65	41.96	1.35	34.29	0.96	15905.59	2.14	1382.62	12.66
2	5.3	3.5	24125.05	0.24	63.72	1.11	1.66	41.72	1.35	34.29	0.95	15824.87	2.13	1441.66	10.66
2	5.3	4.0	27571.48	0.28	71.05	1.24	1.93	48.92	1.35	34.29	1.21	21465.41	2.91	1879.56	9.31
2	5.3	4.5	31017.92	0.31	70.55	1.23	1.91	48.54	1.35	34.29	1.20	21303.68	2.89	1864.42	9.24
2	5.3	5	34464.35	0.34	70.23	1.23	2.08	53.93	1.35	34.29	1.33	23167.66	3.52	2155.19	7.99
3	5.7	0	0.00	0.00	14.35	0.25	0.34	8.64	1.35	34.29	0.04	669.50	0.09	58.57	248.10
3	5.7	0.1	689.29	0.01	18.97	0.33	0.45	11.48	1.35	34.29	0.07	1178.00	0.18	103.06	54.67
3	5.7	0.2	1378.57	0.01	21.86	0.38	0.52	13.29	1.35	34.29	0.10	1578.09	0.21	138.07	73.26
3	5.7	0.3	2067.86	0.02	27.56	0.48	0.67	17.09	1.35	34.29	0.16	2531.23	0.38	221.48	85.63
3	5.7	0.4	2757.15	0.03	32.38	0.57	0.78	19.91	1.35	34.29	0.22	3559.78	0.48	311.44	84.27
3	5.7	0.5	3446.44	0.03	34.95	0.61	0.85	21.59	1.35	34.29	0.26	4184.36	0.37	366.09	47.81
3	5.7	0.6	4135.72	0.04	40.87	0.71	1.00	25.50	1.35	34.29	0.35	5060.20	0.73	512.72	51.18
3	5.7	0.7	4825.01	0.05	44.55	0.78	1.12	28.37	1.35	34.29	0.44	7225.98	0.98	632.19	41.52
3	5.7	0.8	5514.30	0.06	48.51	0.85	1.23	31.73	1.35	34.29	0.53	8732.48	1.19	764.08	34.35
3	5.7	0.9	6203.58	0.06	52.76	0.92	1.34	34.91	1.35	34.29	0.62	10362.60	1.45	906.45	29.89
3	5.7	1	6892.87	0.07	56.57	0.99	1.45	36.91	1.35	34.29	0.70	12227.56	1.66	1060.73	16.36
3	5.7	1.1	7582.01	0.08	56.10	0.98	1.56	39.84	1.35	34.29	0.85	14034.67	1.91	1248.00	23.02
3	5.7	2.0	13785.74	0.14	60.92	1.06	1.59	40.54	1.35	34.29	0.89	14804.67	1.98	1277.75	20.54
3	5.7	2.5	17232.18	0.17	63.72	1.11	1.66	41.72	1.35	34.29	0.95	15824.87	2.13	1441.66	10.66
3	5.7	3.0	20678.61	0.21	70.55	1.23	1.91	48.51	1.35	34.29	1.20	21127.66	2.87	1866.42	14.20
3	5.7	3.5	24125.05	0.24	70.55	1.23	1.91	48.54	1.35	34.29	1.20	21150.06	2.87	1850.40	14.16
3	5.7	4.0	27571.48	0.28	70.23	1.23	2.08	53.93	1.35	34.29	1.33	23167.66	3.52	2155.19	7.99
3	5.7	4.5	31017.92	0.31	73.59	1.29	2.02	51.28	1.35	34.29	1.26	24948.23	3.20	2060.04	12.71
3	5.7	5	34464.35	0.34	78.35	1.37	2.20	55.88	1.35	34.29	1.71	28630.84	3.80	2452.39	10.70
4	7.8	0	0.00	0.00	14.35	0.25	0.34	8.64	1.35	34.29	0.04	669.50	0.09	58.57	397.46
4	7.8	0.1	689.29	0.01	18.97	0.33	0.45	11.48	1.35	34.29	0.07	1178.00	0.18	103.06	87.54
4	7.8	0.2	1378.57	0.01	24.97	0.43	0.59	14.94	1.35	34.29	0.12	2557.37	0.27	176.19	6.24
4	7.8	0.3	2067.86	0.02	29.55	0.52	0.71	18.08	1.35	34.29	0.18	2926.96	0.40	256.86	63.76
4	7.8	0.4	2757.15	0.03	32.38	0.57	0.78	19.91	1.35	34.29	0.22	3559.78	0.48	311.44	84.27
4	7.8	0.5	3446.44	0.03	36.10	0.63	0.86	21.83	1.35	34.29	0.26	4321.46	0.59	402.72	79.84
4	7.8	0.6	4135.72	0.04	43.75	0.76	1.08	27.53	1.35	34.29	0.42	6600.32	0.92	595.30	58.78
4	7.8	0.7	4825.01	0.05	46.21	0.81	1.16	29.44	1.35	34.29	0.47	7781.72	1.05	689.02	47.72
4	7.8	0.8	5514.30	0.06	52.52	0.92	1.31	33.63	1.35	34.29	0.53	9389.39	1.29	838.59	38.93
4	7.8	0.9	6203.58	0.06	52.76	0.92	1.34	34.91	1.35	34.29	0.62	10362.60	1.45	906.45	29.89
4	7.8	1	6892.87	0.07	56.57	0.99	1.45	36.91	1.35	34.29	0.70	12227.56	1.66	1060.73	16.36
4	7.8	1.1	7582.01	0.08	59.70	1.04	1.53	38.98	1.35	34.29	0.77	13271.41	1.85	1169.68	15.71
4	7.8	2.0	13785.74	0.14	59.70	1.04	1.53	38.98	1.35	34.29	0.77	13271.41	1.85	1169.68	15.71
4	7.8	2.5	17232.18	0.17	61.03	1.07	1.60	40.67	1.35	34.29	0.91	13961.21	1.94	1298.17	8.04
4	7.8	3.0	20678.61	0.21	70.27	1.23	1.90	48.28	1.35	34.29	1.20	20907.30	2.84	1829.18	19.13
4	7.8	3.5	24125.05	0.24	70.55	1.23	1.91	48.54	1.35	34.29	1.20	21150.06	2.87	1850.40	14.16
4	7.8	4.0	27571.48	0.28	70.55	1.23	2.19	55.58	1.35	34.29	1.38	27130.88	3.76	2425.71	14.43
4	7.8	4.5	31017.92	0.31	78.35	1.37	2.20	55.88	1.35	34.29	1.71	28630.84	3.80	2452.39	14.27
4	7.8	5	34464.35	0.34	78.23	1.36	2.24	56.77	1.35	34.29	1.77	29503.92	3.92	2537.04	13.83
5	8.1	0	0.00	0.00	14.35	0.25	0.34	8.64	1.35	34.29	0.04	669.50	0.09	58.57	546.83
5	8.1	0.1	689.29	0.01	16.50	0.29	0.40	11.74	1.35	34.29	0.06	1246.99	0.17	109.09	120.93
5	8.1	0.2	1378.57	0.01	24.97	0.43	0.59	14.94	1.35	34.29	0.12	2552.37	0.27	176.19	49.70
5	8.1	0.3	2067.86	0.02	29.55	0.52	0.71	18.08	1.35	34.29	0.18	2926.96	0.40	256.86	63.76
5	8.1	0.4	2757.15	0.03	32.38	0.57	0.78	19.91	1.35	34.29	0.22	3559.78	0.48	311.44	84.27
5	8.1	0.5	3446.44	0.03	36.10	0.63	0.86	21.83	1.35	34.29	0.26	4321.46	0.59	402.72	79.84
5	8.1	0.6	4135.72	0.04	43.75	0.76	1.08	27.53	1.35	34.29	0.42	6600.32	0.92	595.30	58.78
5	8.1	0.7	4825.01	0.05	46.21	0.81	1.16	29.44	1.35	34.29	0.47	7781.72	1.05	689.02	47.72
5	8.1	0.8	5514.30	0.06	52.52	0.92	1.31	33.63	1.35	34.29	0.53	9389.39	1.29	838.59	38.93
5	8.1	0.9	6203.58	0.06	52.76	0.92	1.34	34.91	1.35	34.29	0.62	10362.60	1.45	906.45	29.89
5	8.1	1	6892.87	0.07	56.57	0.99	1.45	36.91	1.35	34.29	0.70	12227.56	1.66	1060.73	16.36
5	8.1	1.1	7582.01	0.08	59.70	1.04	1.53	38.98	1.35	34.29	0.77	13271.41	1.85	1169.68	15.71
5	8.1	2.0	13785.74	0.14	59.70	1.04	1.53	38.98	1.35	34.29	0.77	13271.41	1.85	1169.68	15.71
5	8.1	2.5	17232.18	0.17	61.03	1.07	1.60	40.67	1.35	34.29	0.91	13961.21	1.94	1298.17	8.04
5	8.1	3.0	20678.61	0.21	70.27	1.23	1.90	48.28	1.35	34.29	1.20	20907.30	2.84	1829.18	19.13
5	8.1	3.5	24125.05	0.24	70.55	1.23	1.91	48.54	1.35	34.29	1.20	21150.06	2.87	1850.40	14.16
5	8.1	4.0	27571.48	0.28	70.55	1.23	2.19	55.58	1.35	34.29	1.38	27130.88	3.76	2425.71	14.43
5	8.1	4.5	31017.92	0.31	78.35	1.37	2.20	55.88	1.35	34.29	1.71	28630.84	3.80	2452.39	14.27
5	8.1	5	34464.35	0.34	78.23	1.36	2.24	56.77	1.35	34.29	1.77	29503.92	3.92	2537.04	13.83
6	8.6	0	0.00	0.00	14.35	0.25	0.34	8.64	1.35	34.29	0.04	669.50	0.09	58.57	696.20
6	8.6	0.1	689.29	0.01	20.24	0.35	0.49	12.24	1.35	34.29	0.08	1340.56	0.18	117.72	245.92
6	8.6	0.2	1378.57	0.01	26.03	0.45	0.63	15.60	1.35	34.29	0.14	2357.05	0.32	197.28	66.07
6	8.6	0.3	2067.86	0.02	31.06	0.54	0.77	19.46	1.35	34.29	0.21	3298.19	0.46	297.35	73.44
6	8.6	0.4	2757.15	0.03	32.38	0.57	0.78	19.91	1.35	34.29	0.22	3559.78	0.48	311.44	84.27
6	8.6	0.5	3446.44	0.03	42.93	0.74	1.04	26.42	1.35	34.29	0.39	6301.12	0.85	498.57	63.97
6	8.6	0.6	4135.72	0.04	47.64	0.83	1.16	30.28	1.35	34.29	0.53	8320.12	1.12	719.94	72.91
6	8.6	0.7	4825.01	0.05	49.21	0.86	1.21	31.24	1.35	34.29	0.58	8772.58	1.18	772.77	59.87
6	8.6	0.8	5514.30	0.06	57.33	1.00	1.48	37.49	1.35	34.29	0.77	12431.71	1.71	1102.17	47.55
6	8.6	0.9	6203.58	0.06	61.87	1.08	1.62	41.10	1.35	34.29	0.93	15161.70	2.08	1326.48	39.57
6	8.6	1	6892.87	0.07	62.92	1.10	1.65	41.96	1.35	34.29	0.96	15905.59	2.14	1382.62	31.67
6	8.6	1.1	7582.01	0.08	63.72	1.11	1.66	41.72	1.35	34.29	0.95	15824.87	2.13	1441.66	20.93
6	8.6	2.0	13785.74	0.14	72.67	1.27	1.89	50.44	1.35	34.29	1.39	23943.79	3.10	1998.49	26.27
6	8.6	2.5	17232.18	0.17	73.59	1.29	1.91	48.54	1.35	34.29	1.20	21150.06	2.87	1850.40	14.16
6	8.6	3.0	20678.61	0.21	75.75	1.32	2.10	53.34	1.35	34.29	1.46	25940.80	3.46	2242.21	23.49
6	8.6	3.5	24125.05	0.24	79.11	1.38	2.23	56.64	1.35	34.29	1.76	29800.53	3.91	2519.73	25.03
6	8.6	4.0	27571.48	0.28	81.46	1.42	2.33	59.06	1.35	34.29	1.91	31308.65	4.25	2738.99	19.17
6	8.6	4.5	31017.92	0.31	81.46	1.42	2.33	59.06	1.35	34.29	1.91	31308.65	4.25	2738.99	19.17
6	8.6	5	34464.35	0.34	83.50	1.46	2.41	61.21	1.35	34.29	2.05	33637.59	4.56	2942.92	17.64
7	8.7	0	0.00	0.00	14.35	0.25	0.34	8.64	1.35	34.29	0.04	669.50	0.09	58.57	845.56
7	8.7	0.1	689.29	0.01	19.05	0.33	0.45	11.51	1.35	34.29	0.07	1181.47	0.18	103.38	388.66
7	8.7	0.2	1378.57	0.01	23.69	0.41	0.57	14.36	1.35	34.29	0.11	1855.34	0.25	162.32	177.20
7	8.7	0.3	2067.86	0.02	29.55	0.52	0.71	18.08	1.35	34.29	0.18	2926.96	0.40	256.86	63.76
7	8.7	0.4	2757.15	0.03	32.70	0.57	0.79	20.12	1.35	34.29	0.22	3632.80	0.49	317.61	77.23
7	8.7	0.5	3446.44	0.03	37.06	0.65	0.91	22.99	1.35	34.29	0.29	4743.38	0.64	414.99	52.43
7	8.7	0.6	4135.72	0.04	43.75	0.76	1.08	27.53	1.35	34.29	0.42	6600.32	0.92	595.30	58.78
7	8.7	0.7	4825.01	0.05	46.46	0.81	1.16	29.73	1.35	34.29	0.48	7408.34	1.02	694.45	44.42
7	8.7	0.8	5514.30	0.06	49.47	0.86	1.24	31.60	1.35	34.29	0.55	8662.55	1.22	784.12	76.10
7	8.7	0.9	6203.58	0.06	52.76	0.92	1.34	34.91	1.35	34.29	0.62	10362.60	1.45	906.45	29.89
7	8.7	1	6892.87	0.07	56.57	0.99	1.47	37.27	1.35	34.29	0.76	12433.60	1.69	1067.48	56.32
7	8.7	1.1	7582.01	0.08	56.49	0.99	1.56	39.84	1.35	34.29	0.85	14034.67	1.91	1248.00	23.02
7	8.7	2.0	13785.74	0.14	60.92	1.06	1.59	40.54	1.35	34.29	0.89	14804.67	1.98	1277.75	20.54
7	8.7	2.5	17232.18	0.17	63.72	1.11	1.66	41.72	1.35	34.29	0.95	15824.87	2.13	1441.66	10.66
7	8.7	3.0	20678.61	0.21	77.26	1.34	2.15	54.61	1.35	34.29	1.83	29771.19	3.63	2342.19	29.15
7	8.7	3.5	24125.05	0.24	77.26	1.34	2.15	54.61	1.35	34.29	1.83	29771.19	3.63	2342.19	29.15
7	8.7	4.0	27571.48	0.28	83.50	1.44	2.37	60.13	1.35	34.29	1.98	32675.37	4.40	2841.24	21.05
7	8.7	4.5	31017.92	0.31	84.21	1.47	2.44	61.98	1.35	34.29	2.10	34482.25	4.68	3016.64	25.30
7	8.7	5	34464.35	0.34	87.40	1.53	2.58	65.53	1.35	34.29	2.35	38301.50	5.23	3372.75	16.16
8	8.8	0	0.00	0.00	14.35	0.25	0.34	8.64	1.35	34.29	0.04	669.50	0.09	58.57	994.93
8	8.8	0.1	689.29	0.01	20.82	0.36	0.50	12.60	1.35	34.29	0.09	1424.90	0.19	124.65	561.48
8	8.8	0.2	1378.57	0.01	24.97	0.43	0.59	14.94	1.35	34.29	0.12	2552.37	0.27	176.19	49.70
8	8.8	0.3	2067.86	0.02	32.52	0.56	0.78	19.91	1.35	34.29	0.22	3559.78	0.48	311.44	84.27
8	8.8	0.4	2757.15	0.03	35.35	0.61	0.86	24.49	1.35	34.29	0.33	5362.01	0.73	479.67	51.36
8	8.8	0.5	3446.44	0.03	36.10	0.63	0.86	21.83	1.35	34.29	0.26	4321.46	0.59	402.72	79.84
8	8.8	0.6	4135.72	0.04	50.59	0.88	1.29	32.41	1.35	34.29	0.59	9267.17	1.29	826.96	64.94
8	8.8	0.7	4825.01	0.05	50.59	0.88	1.43	36.37	1.35	34.29	0.72	11676.18	1.61	1039.04	67.36
8	8.8	0.8	5514.30	0.06	52.52	0.92	1.31	33.63	1.35	34.29	0.53	9389.39	1.29	838.59	38.93
8	8.8	0.9	6203.58	0.06	52.52	0.92	1.34	34.91	1.35	34.29	0.62	10362.60	1.45	906.45	29.89
8	8.8	1	6892.87	0.07	70.27	1.23	1.90	48.28	1.35	34.29	1.20	20907.30	2.84	1829.18	19.13
8	8.8	1.1	7582.01	0.08	70.27	1.23	1.90	48.28	1.35	34.29	1.20	20907.30	2.84	1829.18	19.13
8	8.8	2.0	13785.74	0.14	72.67	1.27	1.89	50.44	1.35	34.29	1.39	23943.79	3.10	1998.49	26.27
8	8.8	2.5	17232.18	0.17	73.59	1.29	1.91	48.54	1.35	34.29	1.20	21150.06	2.87	1850.40	14.16
8	8.8	3.0	20678.61	0.21	75.75	1.32	2.10	53.34	1.35	34.29	1.46	25940.80	3.46	2242.21	23.49
8	8.8	3.5	24125.05	0.24	79.11	1.38	2.23	56.64	1.35	34.29	1.76	29800.53	3.91	2519.73	25.03
8	8.8	4.0	27571.48	0.28	81.46	1.42	2.33	59.06	1.35	34.29	1.91	31308.65	4.25	2738.99	19.17
8	8.8	4.5	31017.92	0.31	81.46	1.42	2.33	59.06	1.35	34.29	1.91	31308.65	4.25	2738.99	19.17
8	8.8	5	34464.35	0.34	83.50	1.46	2.41	61.21	1.35	34.29	2.05	33637.59	4.56	2942.92	17.64
9	9	0	0.00	0.00	14.35	0.25	0.34	8.64	1.35	34.29	0.04	669.50	0.09	58.57	1144.29
9	9	0.1	689.29	0.01	20.82	0.36	0.50	12.60	1.35	34.29	0.09	1424.90	0.19	124.65	561.48
9	9	0.2	1378.57	0.01	27.66	0.48	0.67	17.07	1.35	34.29	0.16	3132.31	0.42	271.50	132.25
9	9	0.3	2067.86	0.02	34.40	0.60	0.84	21.29	1.35	34.29	0.25	4087.04	0.55	355.82	21.29
9	9	0.4	2757.15	0.03	32.70	0.57	0.79	20.12	1.35	34.29	0.22	3632.80	0.49	317.61	77.23
9	9	0.5	3446.44	0.03	46.86	0.82	1.14	29.72	1.35	34.29	0.48	7397.50	1.00	693.01	86.46
9	9	0.6	4135.72