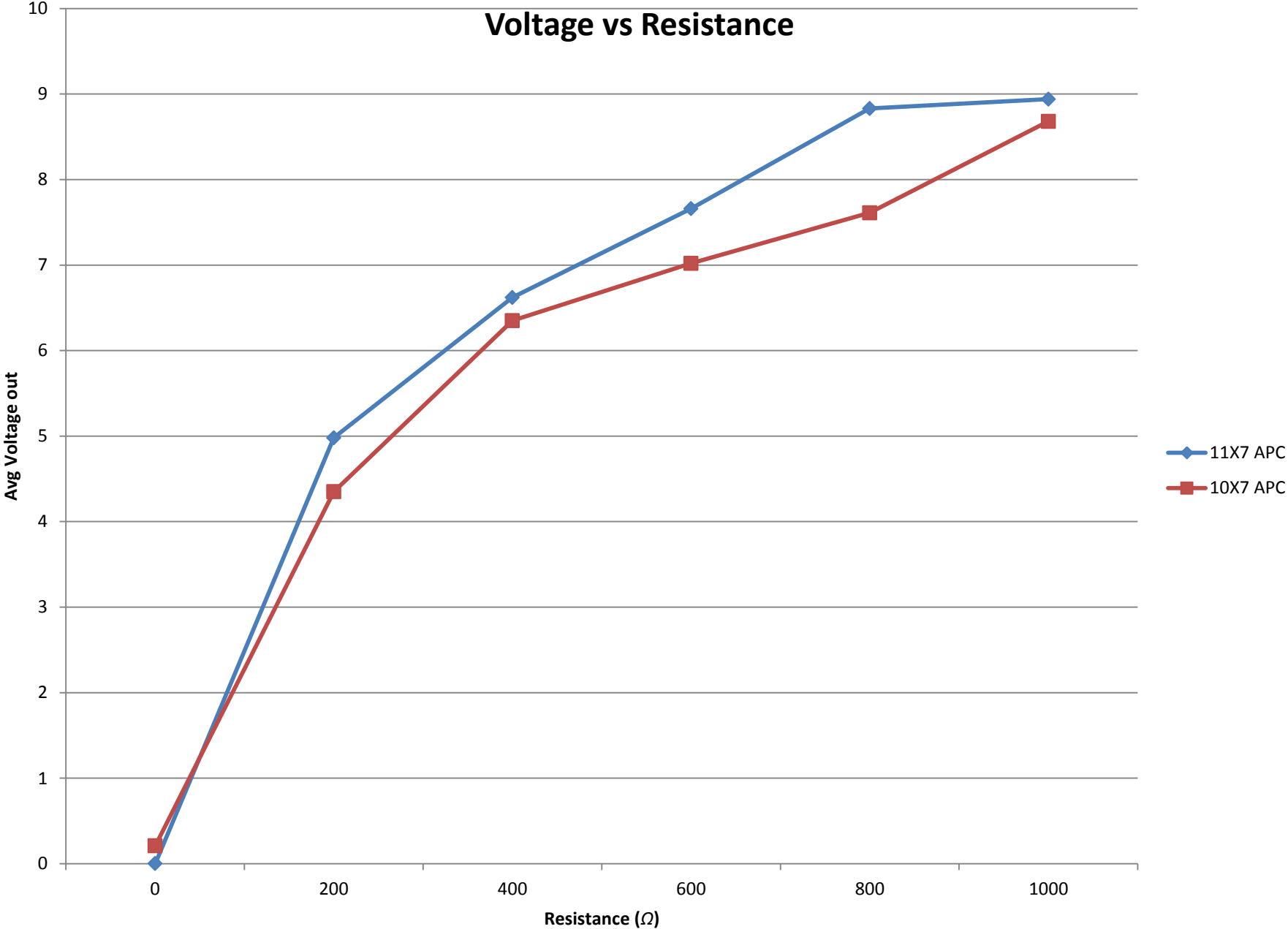
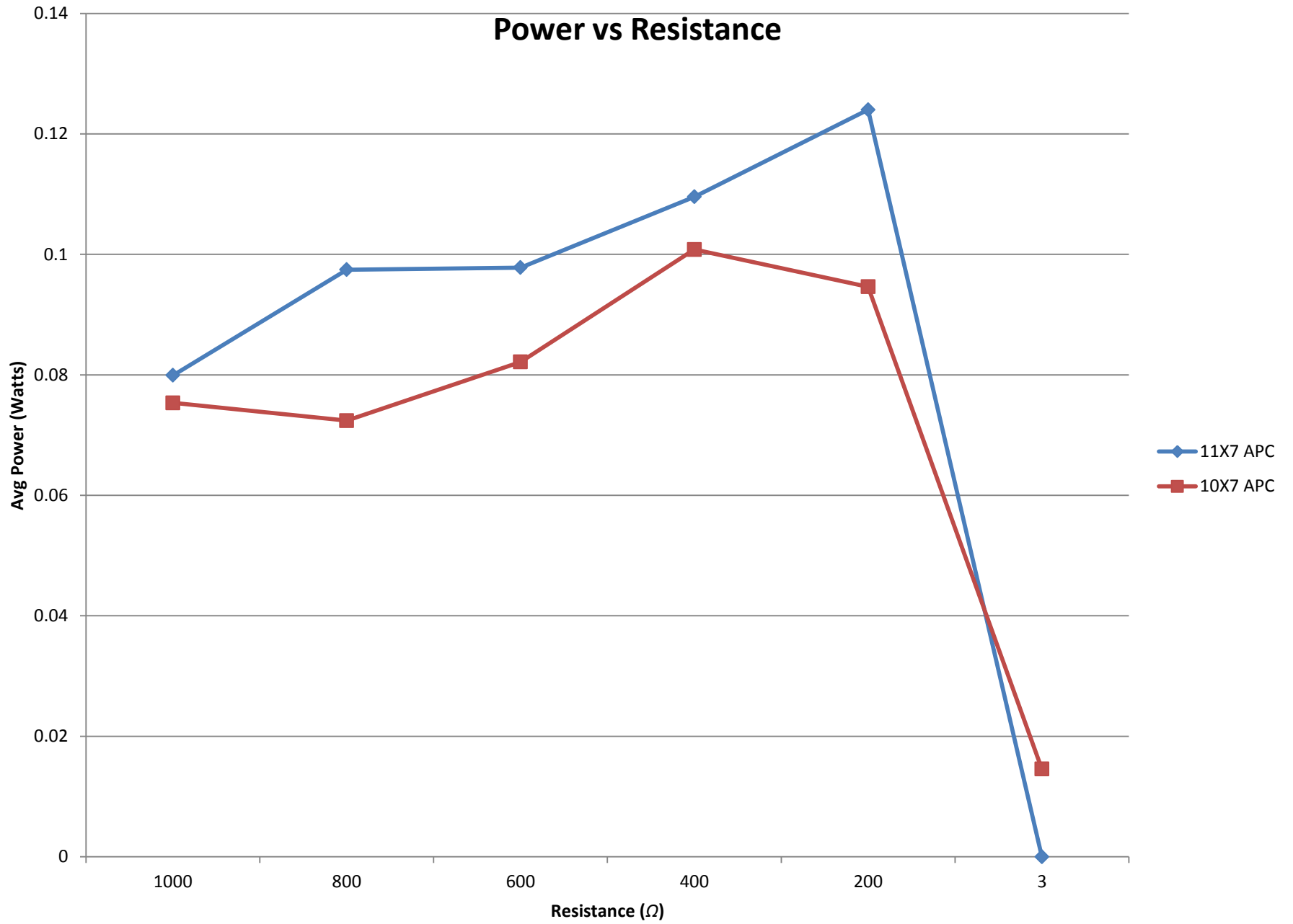
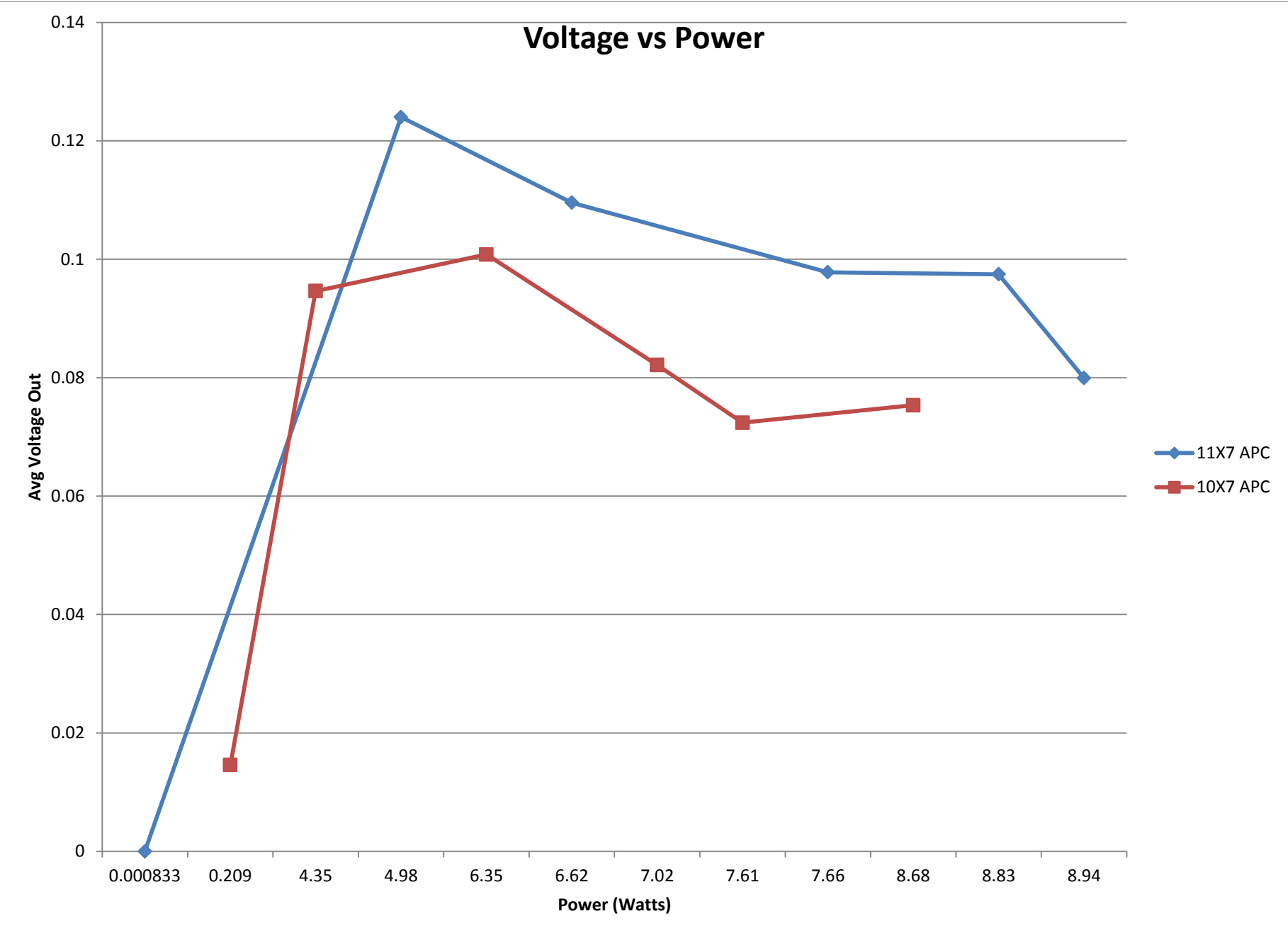


### Voltage vs Resistance



### Power vs Resistance





Trial	Prop/Setup	Pot Resistance	Avg Vout	Power(V <sup>2</sup> /R)
1	11X7 APC	10000	2.8	0.000784
2	11X7 APC	7500	2.5	0.000833333
3	11X7 APC	5000	1.86	0.00069192
4	11X7 APC	2500	0.92	0.00033856
5	11X7 APC	670	0.28	0.000117015
6	10X7 APC	10000	2.7	0.000729
7	10X7 APC	7500	2.2	0.000645333
8	10X7 APC	5000	1.85	0.0006845
9	10X7 APC	2500	0.92	0.00033856
10	10X7 APC	670	0.28	0.000117015
2	11X7 APC	7500	2.5	0.000833333
1	11X7 APC	10000	2.8	0.000784
6	10X7 APC	10000	2.7	0.000729
3	11X7 APC	5000	1.86	0.00069192
8	10X7 APC	5000	1.85	0.0006845
7	10X7 APC	7500	2.2	0.000645333
4	11X7 APC	2500	0.92	0.00033856
9	10X7 APC	2500	0.92	0.00033856
5	11X7 APC	670	0.28	0.000117015
10	10X7 APC	670	0.28	0.000117015

Notes      Distance to Fan (Outside grill to tip of center of prop): 20 Inches  
Distance to from Table (Top of Table to tip of center of prop): 9 Inches  
Fan: 19"(Diameter) Box Fan Lasko  
All Trials have fan set on highest speed

Trial	Prop/Setup	Pot Resista	Avg Vout	Power(V <sup>2</sup> /R)
1	11X7 APC	4960	11.1	0.024840726
2	11X7 APC	4000	10.6	0.02809
3	11X7 APC	3000	9.96	0.0330672
4	11X7 APC	2000	10.2	0.05202
5	11X7 APC	1000	8.69	0.0755161
6	10X7 APC	4960	10	0.02016129
7	10X7 APC	4000	10	0.025
8	10X7 APC	3000	9.65	0.031040833
9	10X7 APC	2000	9.67	0.04675445
10	10X7 APC	1000	8.52	0.0725904
5	11X7 APC	1000		
10	10X7 APC	1000		
4	11X7 APC	2000		
9	10X7 APC	2000	8.69	0.0755161
3	11X7 APC	3000	8.52	0.0725904
8	10X7 APC	3000	10.2	0.05202
2	11X7 APC	4000	9.67	0.04675445
7	10X7 APC	4000	9.96	0.0330672
1	11X7 APC	4960	9.65	0.031040833
6	10X7 APC	4960	10.6	0.02809
			10	0.025
			11.1	0.024840726
			10	0.02016129

Trial	Prop/Setup	Pot Resistance	Avg Vout	Power(V <sup>2</sup> /R)
1	11X7 APC	1000	8.94	0.0799236
2	11X7 APC	800	8.83	0.097461125
3	11X7 APC	600	7.66	0.097792667
4	11X7 APC	400	6.62	0.109561
5	11X7 APC	200	4.98	0.124002
6	11X7 APC	3	0.000833	2.31296E-07
7	10X7 APC	1000	8.68	0.0753424
8	10X7 APC	800	7.61	0.072390125
9	10X7 APC	600	7.02	0.082134
10	10X7 APC	400	6.35	0.10080625
11	10X7 APC	200	4.35	0.0946125
12	10X7 APC	3	0.209	0.014560333
5	11X7 APC	200	4.98	0.124002
4	11X7 APC	400	6.62	0.109561
10	10X7 APC	400	6.35	0.10080625
3	11X7 APC	600	7.66	0.097792667
2	11X7 APC	800	8.83	0.097461125
11	10X7 APC	200	4.35	0.0946125
9	10X7 APC	600	7.02	0.082134
1	11X7 APC	1000	8.94	0.0799236
7	10X7 APC	1000	8.68	0.0753424
8	10X7 APC	800	7.61	0.072390125
12	10X7 APC	3	0.209	0.014560333
6	11X7 APC	3	0.000833	2.31296E-07

0	200	400	600	800	1000
0.000833	4.98	6.62	7.66	8.83	8.94
0.209	4.35	6.35	7.02	7.61	8.68

0.000833	2.31E-07				
0.209		0.01456			
4.35		0.094613			
4.98	0.124002				
6.35		0.100806			
6.62	0.109561				
7.02		0.082134			
7.61		0.07239			
7.66	0.097793				
8.68		0.075342			
8.83	0.097461				
8.94	0.079924				

1000	0.079924	0.075342			
800	0.097461	0.07239			
600	0.097793	0.082134			
400	0.109561	0.100806			
200	0.124002	0.094613			
3	2.31E-07	0.01456			