Execution times shown in microseconds								
Stooge Sort								
n	100	500	1000	2000	3000	4000	5000	6000
Case 1	5775	489134	1471486	13163803	41194560	119817415	118338878	357423800
Case 2	5737	488401	1,477,568	13207603	42935728	118572418	119082935	355557032
Case 3	6403	491087	1,487,142	13170300	41983620	120227770	122288179	357373958
Case 4	7137	487868	1,460,617	13166677	43027009	123655661	118879225	356779749
Case 5	7700	482513	1,472,865	13163115	43291875	119115244	119124517	355985994
Case 6	5932	486071	1,478,824	13175075	43008577	120185723	119185530	356140766
Case 7	6111	494929	1,464,327	13161129	42391283	118048391	118136146	357824030
Average	6399.286	488571.9	1473261	13172529	42547522	119946088.9	119290772.9	356726475.6

Merge Sort								
n	100	500	1000	2000	3000	4000	5000	6000
Case 1	102	331	645	1299	1992	2640	3348	4160
Case 2	109	336	644	1315	1992	2622	3405	4131
Case 3	99	328	649	1303	1975	2650	3423	4148
Case 4	98	333	642	1290	1991	2713	3370	4088
Case 5	98	331	654	1294	1989	2701	3388	4148
Case 6	99	351	640	1300	1990	2658	3522	4203
Case 7	99	339	644	1310	1996	2627	3365	4095
Average	100.5714	335.5714	645.4286	1301.571	1989.286	2658.714286	3403	4139

Insertion Sort								
n	100	500	1000	2000	3000	4000	5000	6000
Case 1	14	304	1203	4772	10433	18256	27882	40839
Case 2	13	308	1187	4612	10509	18293	29472	41128
Case 3	12	300	1176	4464	10284	18320	28871	41421
Case 4	17	300	1169	4630	10350	18125	28737	41278
Case 5	17	309	1222	4621	10557	18890	28578	42174
Case 6	13	302	1161	4692	10294	18377	28385	40878
Case 7	14	292	1145	4619	10511	18328	28451	40463
Average	14.28571	302.1429	1180.429	4630	10419.71	18369.85714	28625.14286	41168.71429

Comparing Average Execution Times			
n	Merge Sort	Stooge Sort	Insertion Sort
100	100.5714286	6399.285714	14.28571429
500	335.5714286	488571.8571	302.1428571
1000	645.4285714	1473261.286	1180.428571
2000	1301.571429	13172528.86	4630
3000	1989.285714	42547521.71	10419.71429
4000	2658.714286	119946088.9	18369.85714
5000	3403	119290772.9	28625.14286
6000	4139	356726475.6	41168.71429
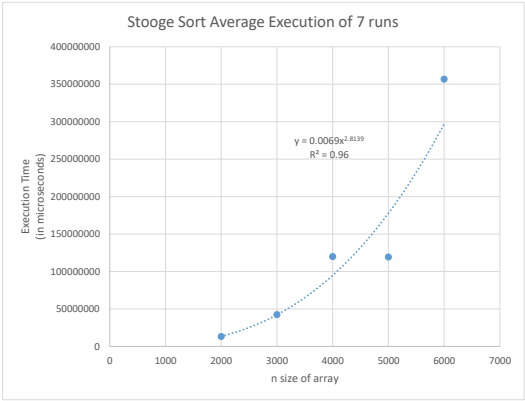
n	100	500	1000	2000	3000	4000	5000	6000
Average	6399.286	488571.9	1473261	13172529	42547522	119946088.9	119290772.9	356726475.6

Stooge Sort Average Execution of 7 runs

$y = 0.0069x^{2.8139}$
$R^2 = 0.96$

n	100	500	1000	2000	3000	4000	5000	6000
Merge Sort	100.5714286	335.5714286	645.4285714	1301.571429	1989.285714	2658.714286	3403	4139
Insertion Sort	14.28571429	302.1428571	1180.428571	4630	10419.71429	18369.85714	28625.14286	41168.71429
Stooge Sort	6399.285714	488571.8571	1473261.286	13172528.86	42547521.71	119946088.9	119290772.9	356726475.6

Merge Sort vs Insertion Sort vs Stooge Sort Execution of n over 7 runs

Stooge
$y = 0.0339x^{2.6168}$
$R^2 = 0.9938$

Insertion
$y = 0.0011x^2 + 0.0587x$
$R^2 = 1$

Merge
$y = 0.678x$
$R^2 = 0.999$

Merge Sort   Insertion Sort   Stooge Sort   .... Linear (Merge Sort)   .... Linear (Merge Sort)   .... Linear (Insertion Sort)   .... Poly. (Insertion Sort)   .... Power (Stooge Sort)