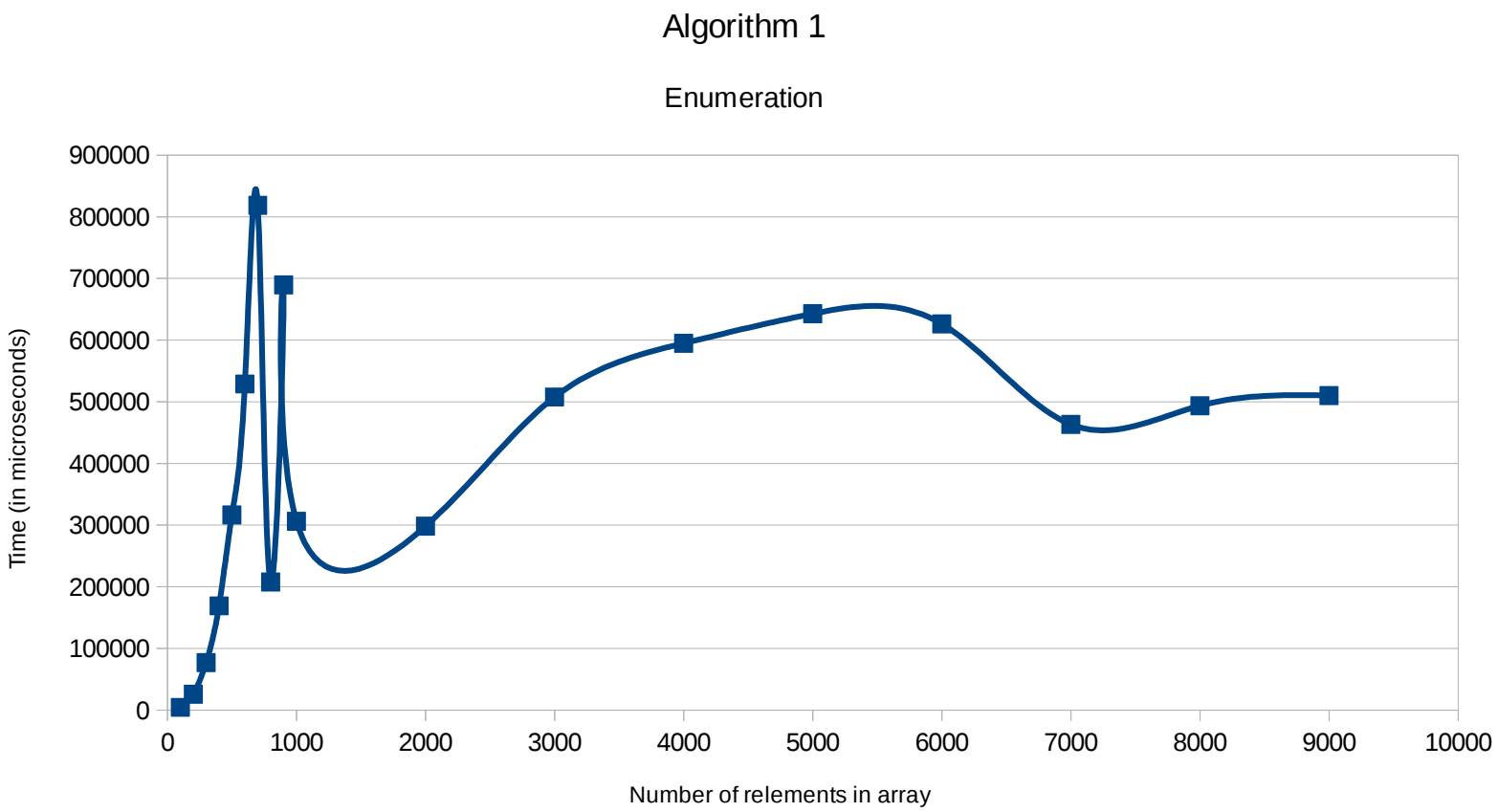
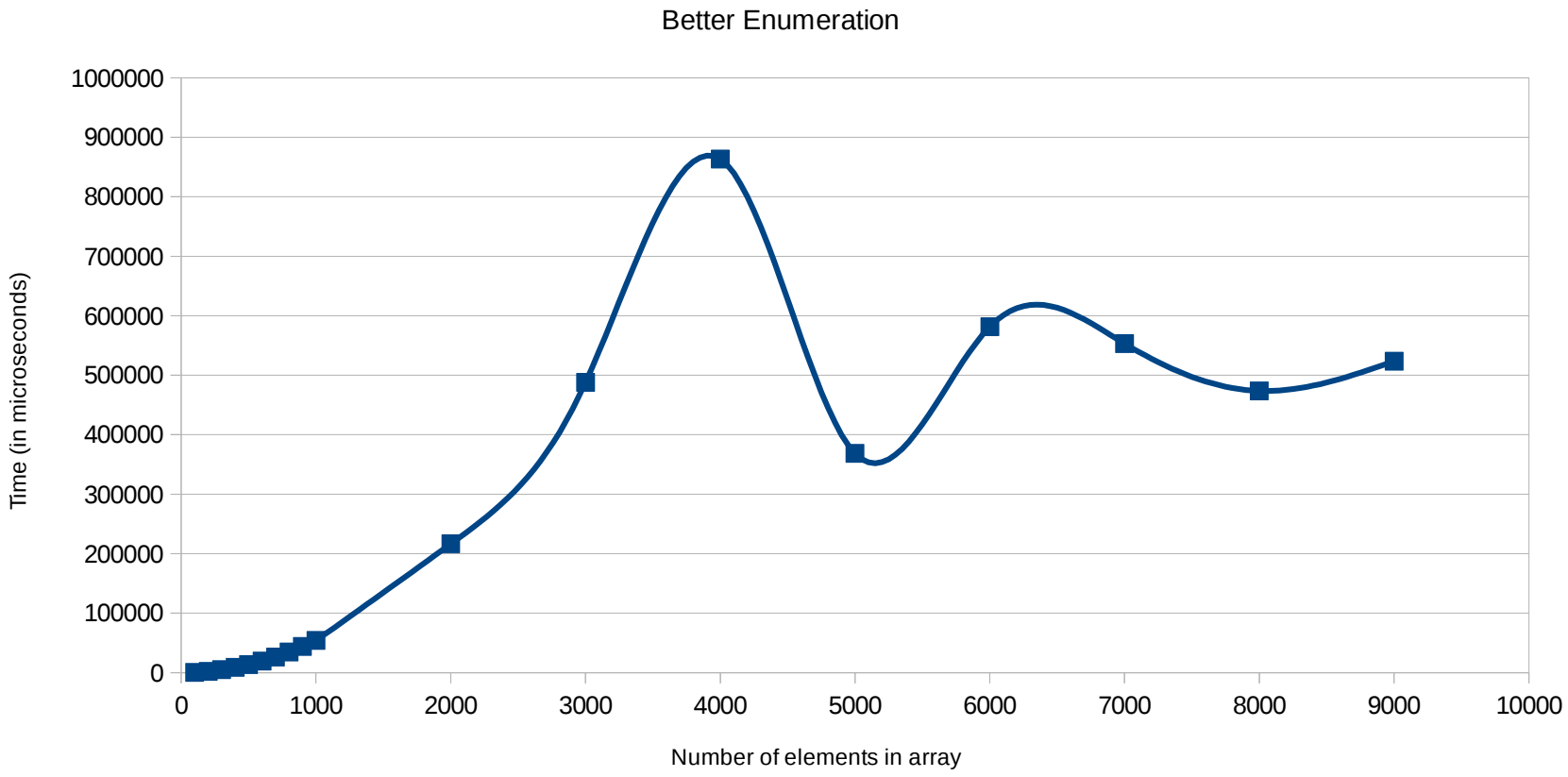
	Alg 1	Alg 2	Alg 3
100	4381.2	578.1	297.7
200	25846	2171.2	605.9
300	77077.4	4809	939
400	168979.8	8679.8	1278.6
500	316515.7	13621.6	1621.9
600	529024.7	19502.3	1971.1
700	818525.6	26344	2313.6
800	207576.4	34577.8	2669.5
900	689885.4	43979	3026
1000	306014.9	54099.3	3362.8
2000	298324.2	216514.9	7006.1
3000	507884.4	487800.7	10711.1
4000	594949.8	863355.1	14470.3
5000	642895.7	368598.4	18148.4
6000	626445.7	581644.8	22018.3
7000	463164.1	553150.9	25806
8000	493640.9	473517.9	29731.5
9000	510378	523590.8	33861.6

100	578.1	297.7
200	2171.2	605.9
300	4809	939
400	8679.8	1278.6
500	13621.6	1621.9
600	19502.3	1971.1
700	26344	2313.6
800	34577.8	2669.5
900	43979	3026
1000	54099.3	3362.8
2000	216514.9	7006.1
3000	487800.7	10711.1
4000	863355.1	14470.3
5000	368598.4	18148.4
6000	581644.8	22018.3
7000	553150.9	25806
8000	473517.9	29731.5
9000	523590.8	33861.6

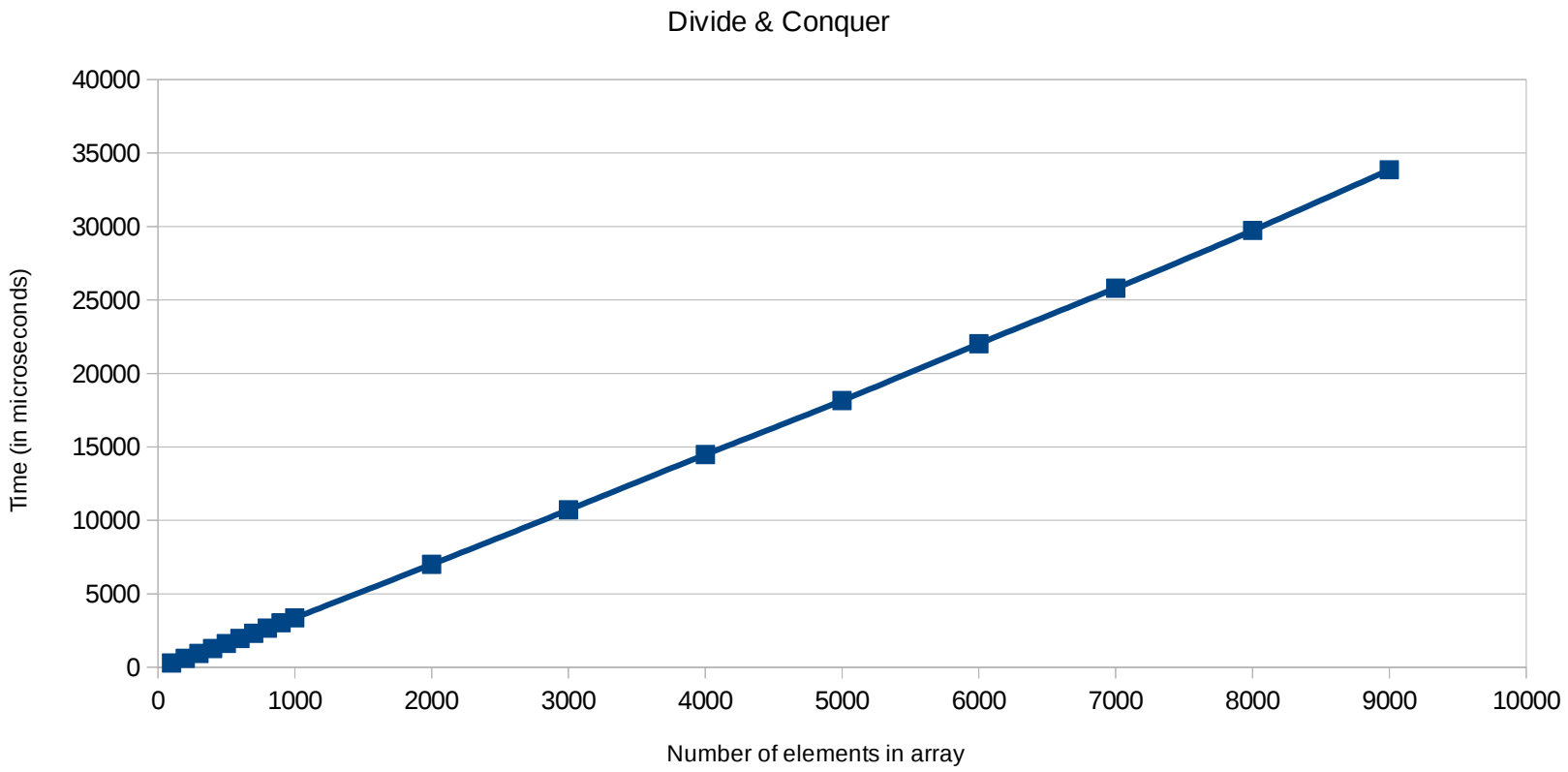
100	297.7
200	605.9
300	939
400	1278.6
500	1621.9
600	1971.1
700	2313.6
800	2669.5
900	3026
1000	3362.8
2000	7006.1
3000	10711.1
4000	14470.3
5000	18148.4
6000	22018.3
7000	25806
8000	29731.5
9000	33861.6

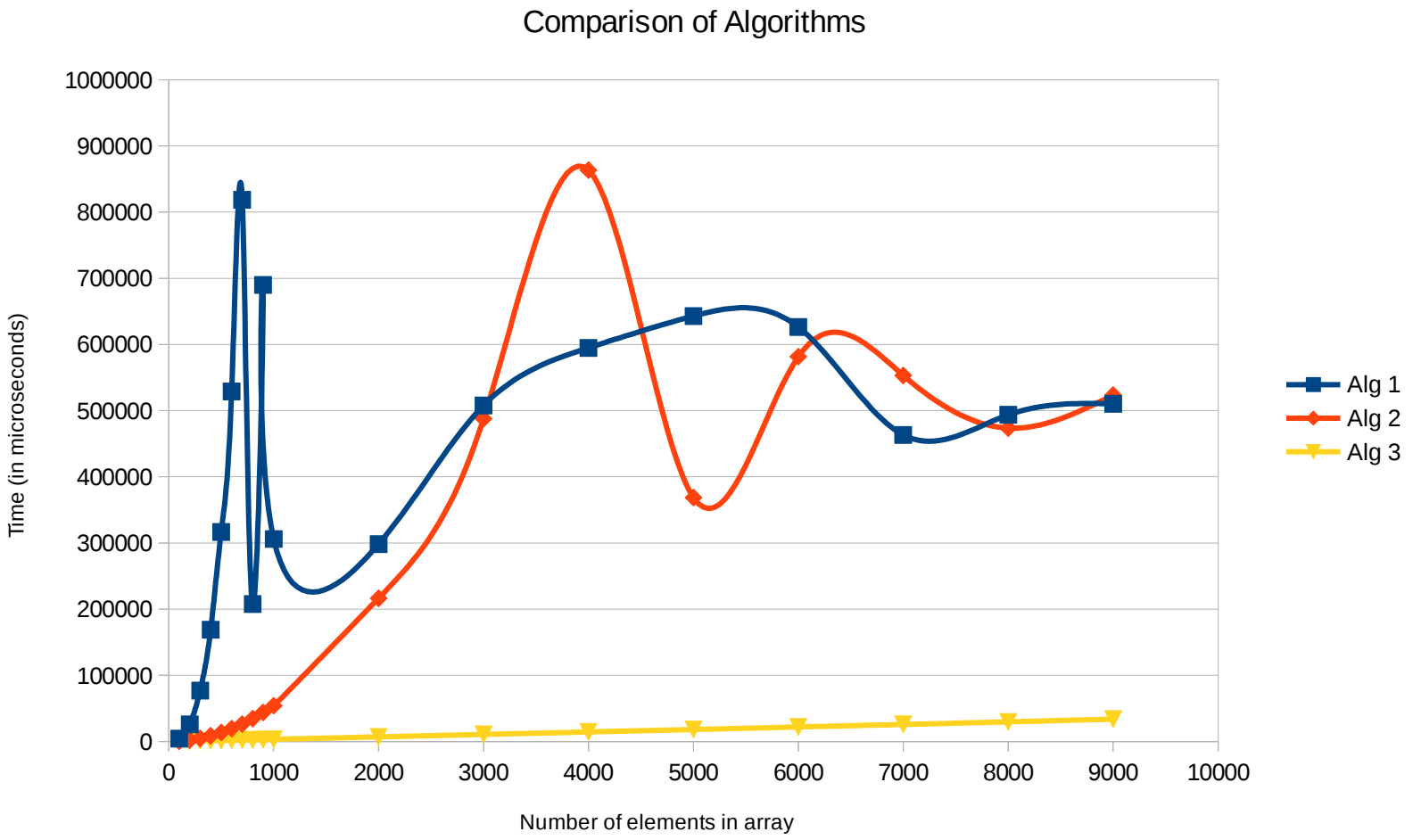

Algorithm 1
Enumeration
900000
800000
700000
600000
500000
400000
300000
200000
100000
0
Time (in microseconds)
0
1000
2000
3000
4000
5000
6000
7000
8000
9000
10000
Number of relements in array

Algorithm 2


Better Enumeration
1000000
900000
800000
700000
600000
500000
400000
300000
200000
100000
0
Time (in microseconds)
0
1000
2000
3000
4000
5000
6000
7000
8000
9000
10000
Number of elements in array

Algorithm 3


Divide & Conquer
40000
35000
30000
25000
20000
15000
10000
5000
0
Time (in microseconds)
0
1000
2000
3000
4000
5000
6000
7000
8000
9000
10000
Number of elements in array


Comparison of Algorithms
Time (in microseconds)
1000000
900000
800000
700000
600000
500000
400000
300000
200000
100000
0
0
1000
2000
3000
4000
5000
6000
7000
8000
9000
10000
Number of elements in array
Alg 1
Alg 2
Alg 3