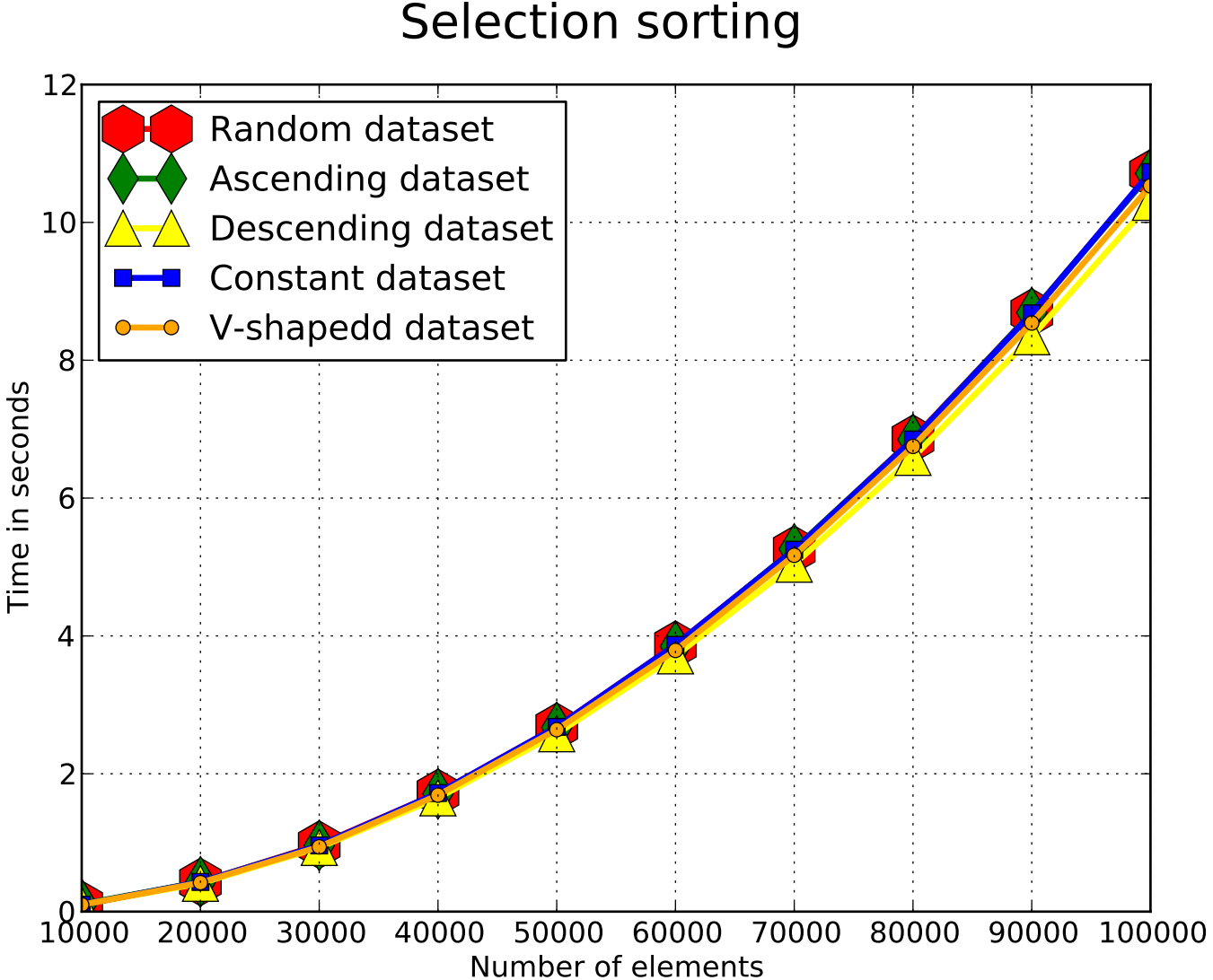
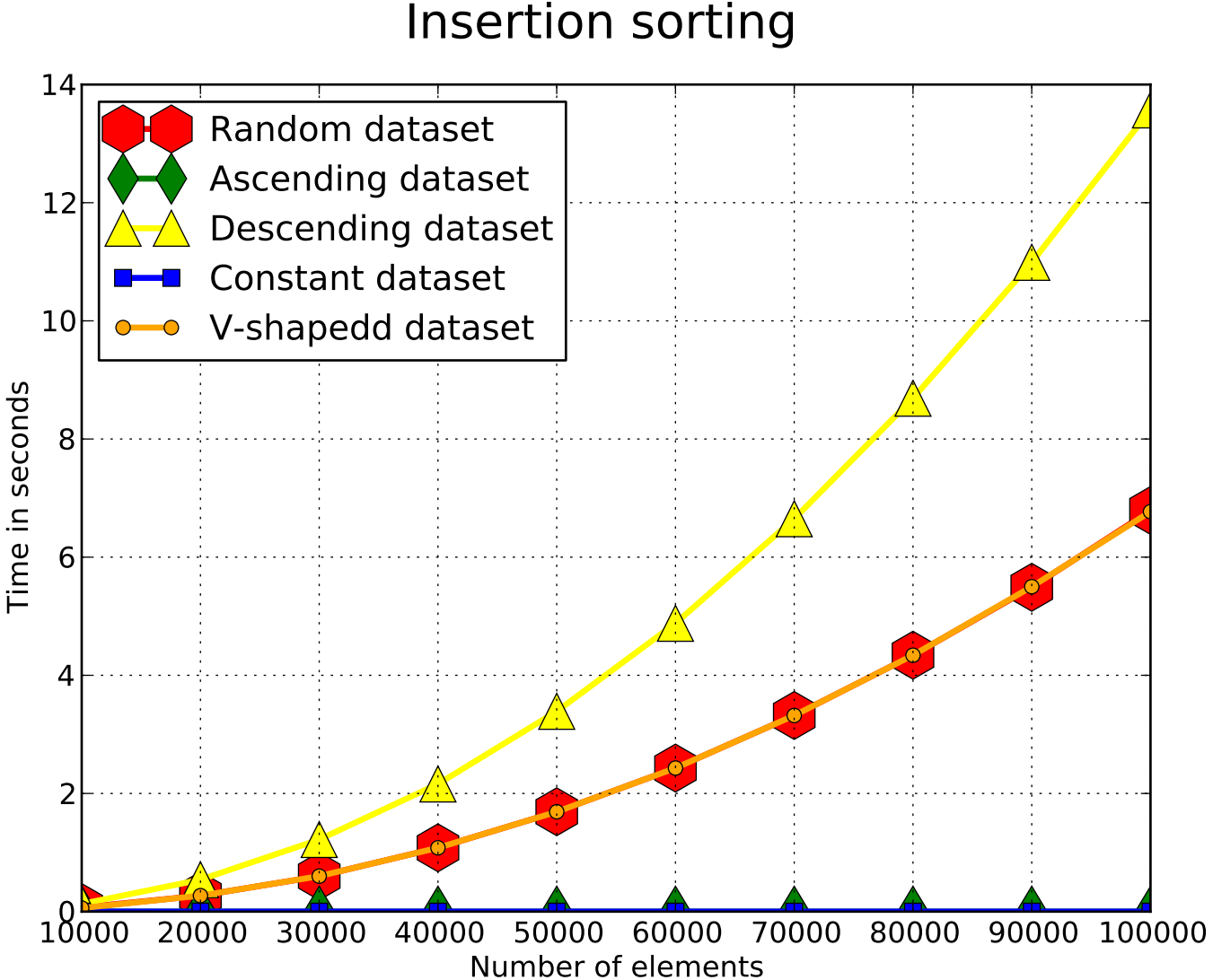
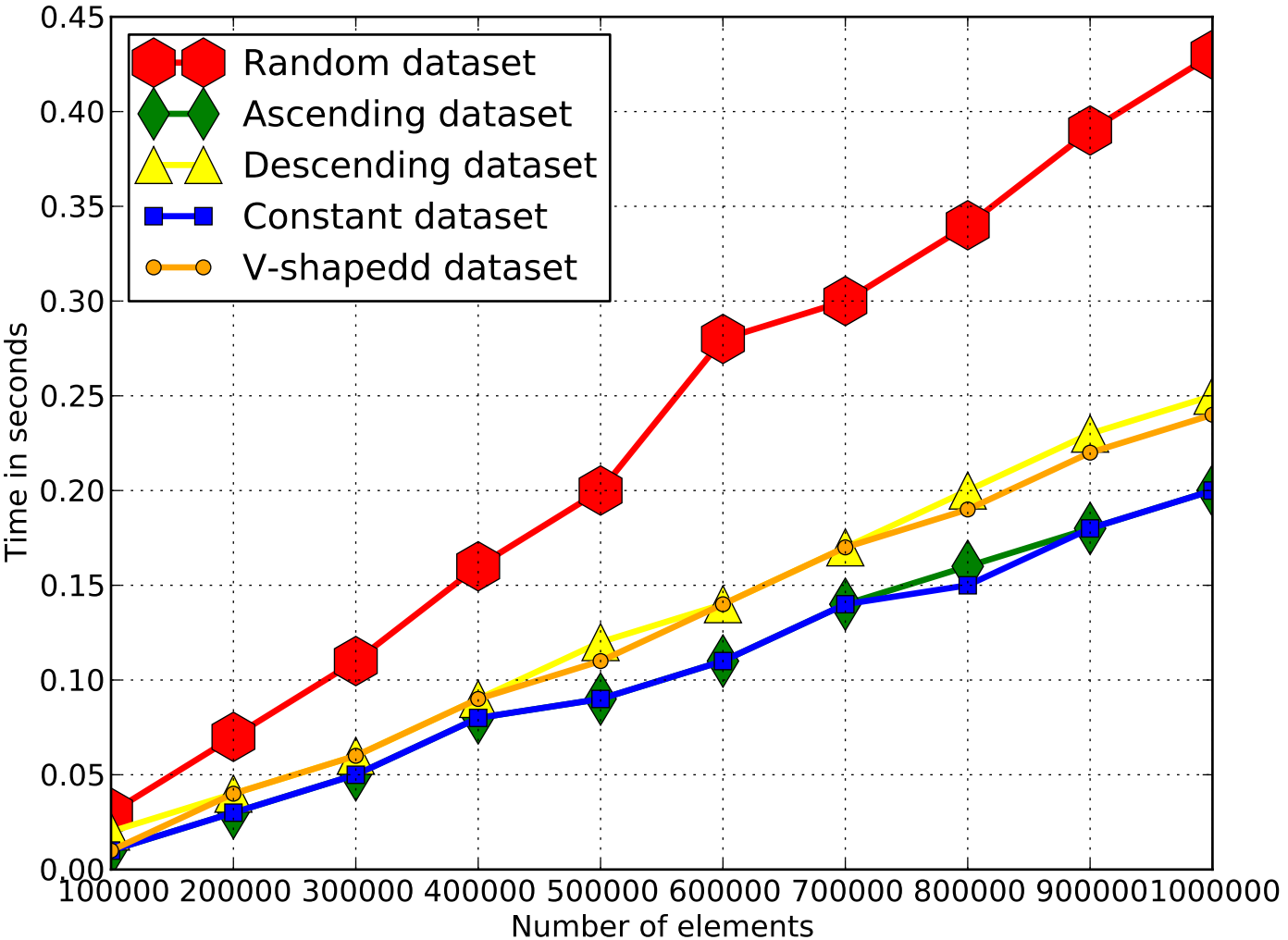
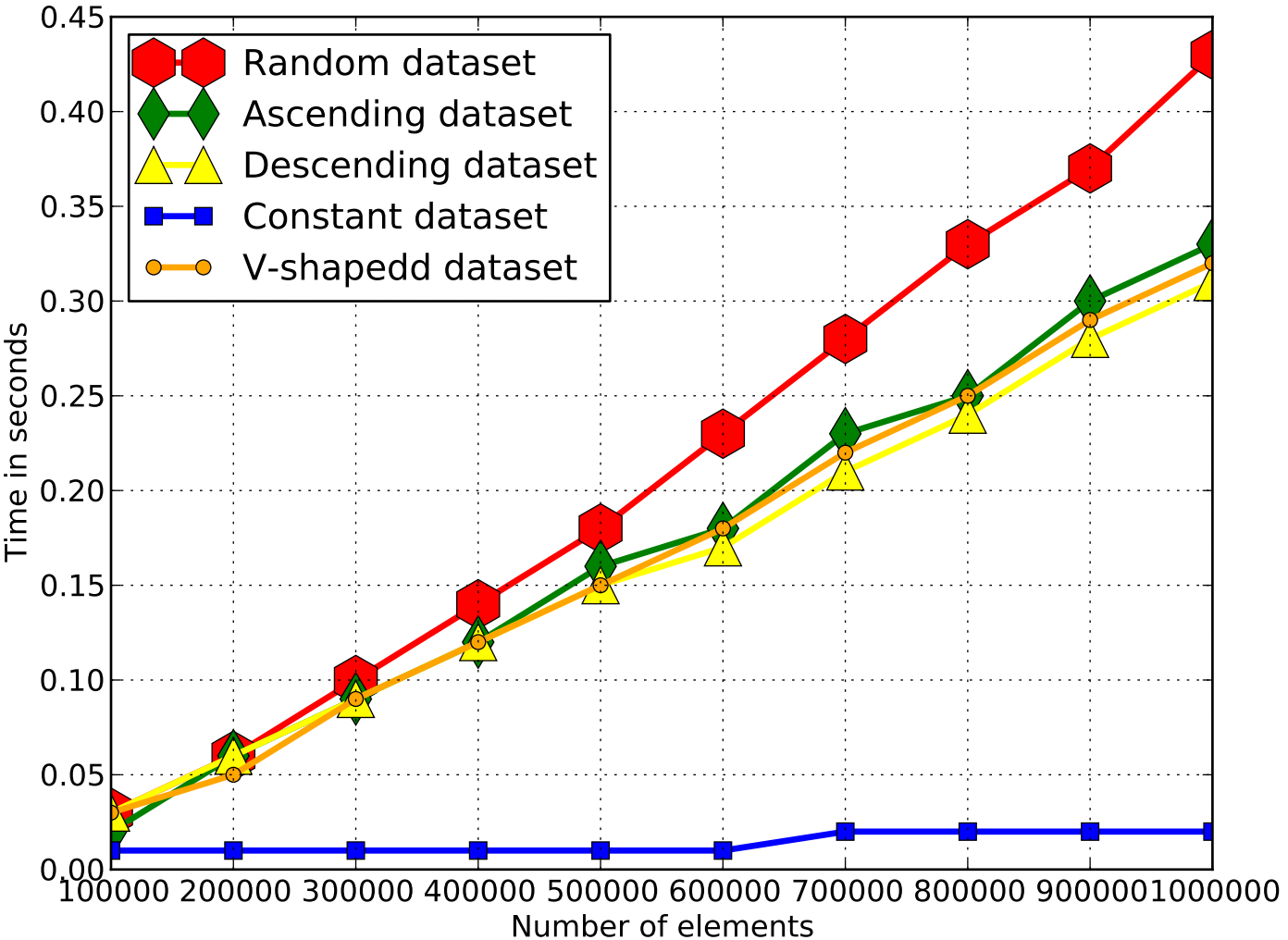

Selection sorting
Random dataset
Ascending dataset
Descending dataset
Constant dataset
V-shapedd dataset
Time in seconds
Number of elements
0
2
4
6
8
10
12
10000
20000
30000
40000
50000
60000
70000
80000
90000
100000


Insertion sorting
Random dataset
Ascending dataset
Descending dataset
Constant dataset
V-shapedd dataset
Time in seconds
Number of elements
0
2
4
6
8
10
12
14
10000
20000
30000
40000
50000
60000
70000
80000
90000
100000


Shell sorting
Random dataset
Ascending dataset
Descending dataset
Constant dataset
V-shapedd dataset
Time in seconds
0.00
0.05
0.10
0.15
0.20
0.25
0.30
0.35
0.40
0.45
100000 200000 300000 400000 500000 600000 700000 800000 900000 1000000
Number of elements


Heap sorting
Random dataset
Ascending dataset
Descending dataset
Constant dataset
V-shapedd dataset
Time in seconds
Number of elements
0.00
0.05
0.10
0.15
0.20
0.25
0.30
0.35
0.40
0.45
100000
200000
300000
400000
500000
600000
700000
800000
900000
1000000