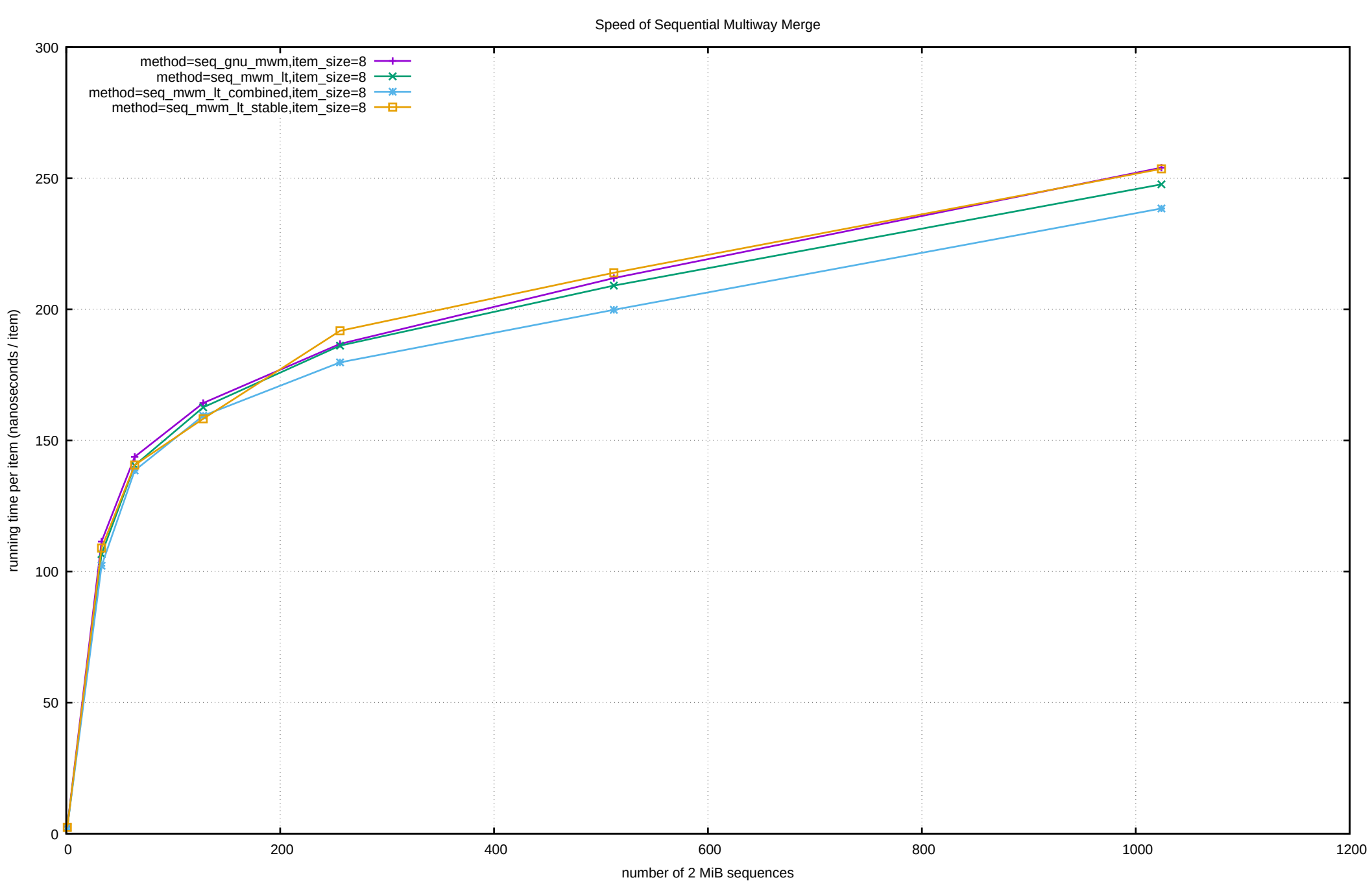
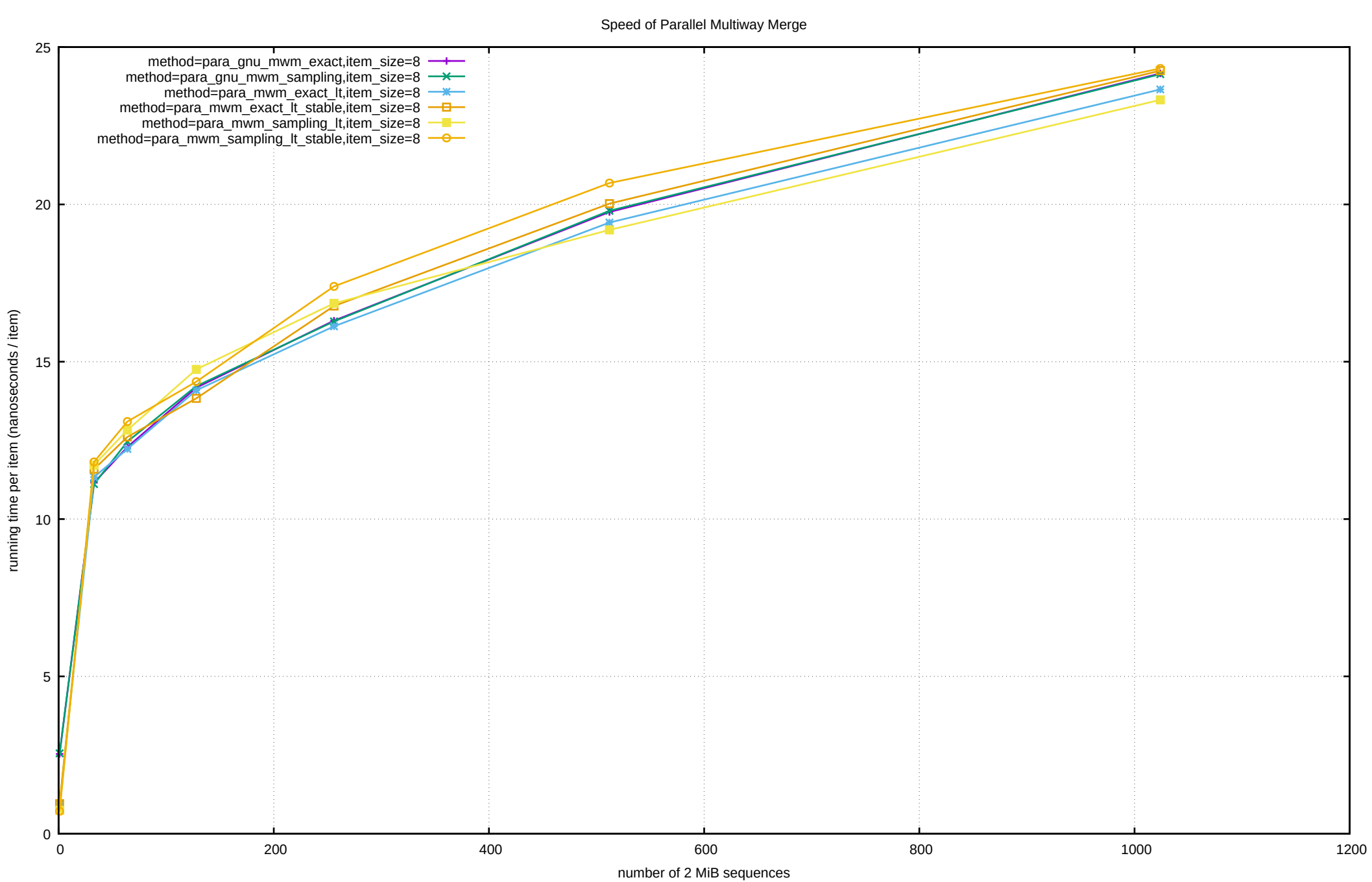
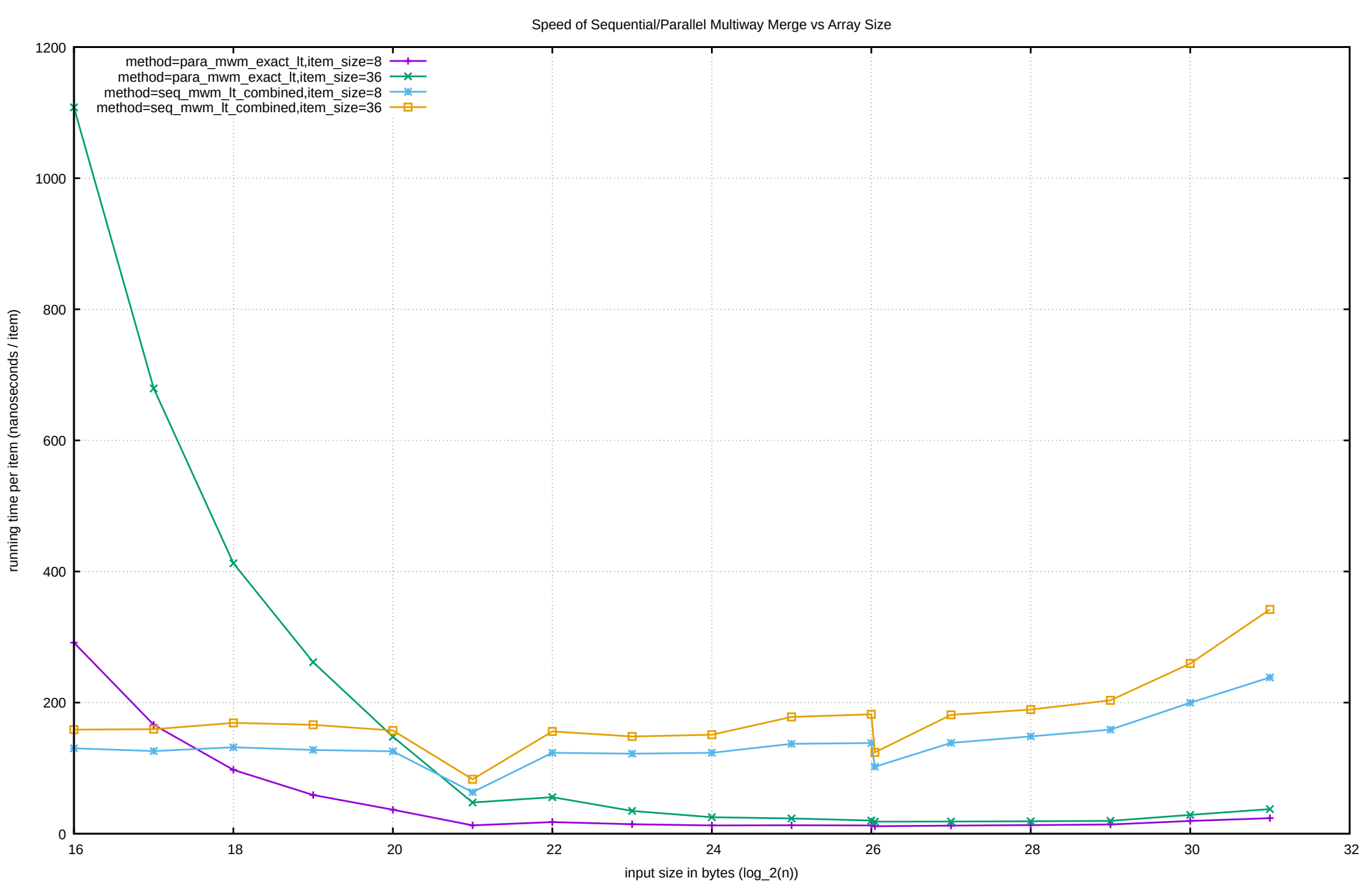

Speed of Sequential Multiway Merge
method=seq_gnu_mwm,item_size=8
method=seq_mwm_lt,item_size=8
method=seq_mwm_lt_combined,item_size=8
method=seq_mwm_lt_stable,item_size=8
running time per item (nanoseconds / item)
number of 2 MiB sequences
0
50
100
150
200
250
300
0
200
400
600
800
1000
1200


Speed of Parallel Multiway Merge
method=para_gnu_mwm_exact,item_size=8
method=para_gnu_mwm_sampling,item_size=8
method=para_mwm_exact_lt,item_size=8
method=para_mwm_exact_lt_stable,item_size=8
method=para_mwm_sampling_lt,item_size=8
method=para_mwm_sampling_lt_stable,item_size=8
running time per item (nanoseconds / item)
number of 2 MiB sequences
0
5
10
15
20
25
0
200
400
600
800
1000
1200


Speed of Sequential/Parallel Multiway Merge vs Array Size
method=para_mwm_exact_lt,item_size=8
method=para_mwm_exact_lt,item_size=36
method=seq_mwm_lt_combined,item_size=8
method=seq_mwm_lt_combined,item_size=36
running time per item (nanoseconds / item)
input size in bytes (log_2(n))
0
200
400
600
800
1000
1200
16
18
20
22
24
26
28
30
32