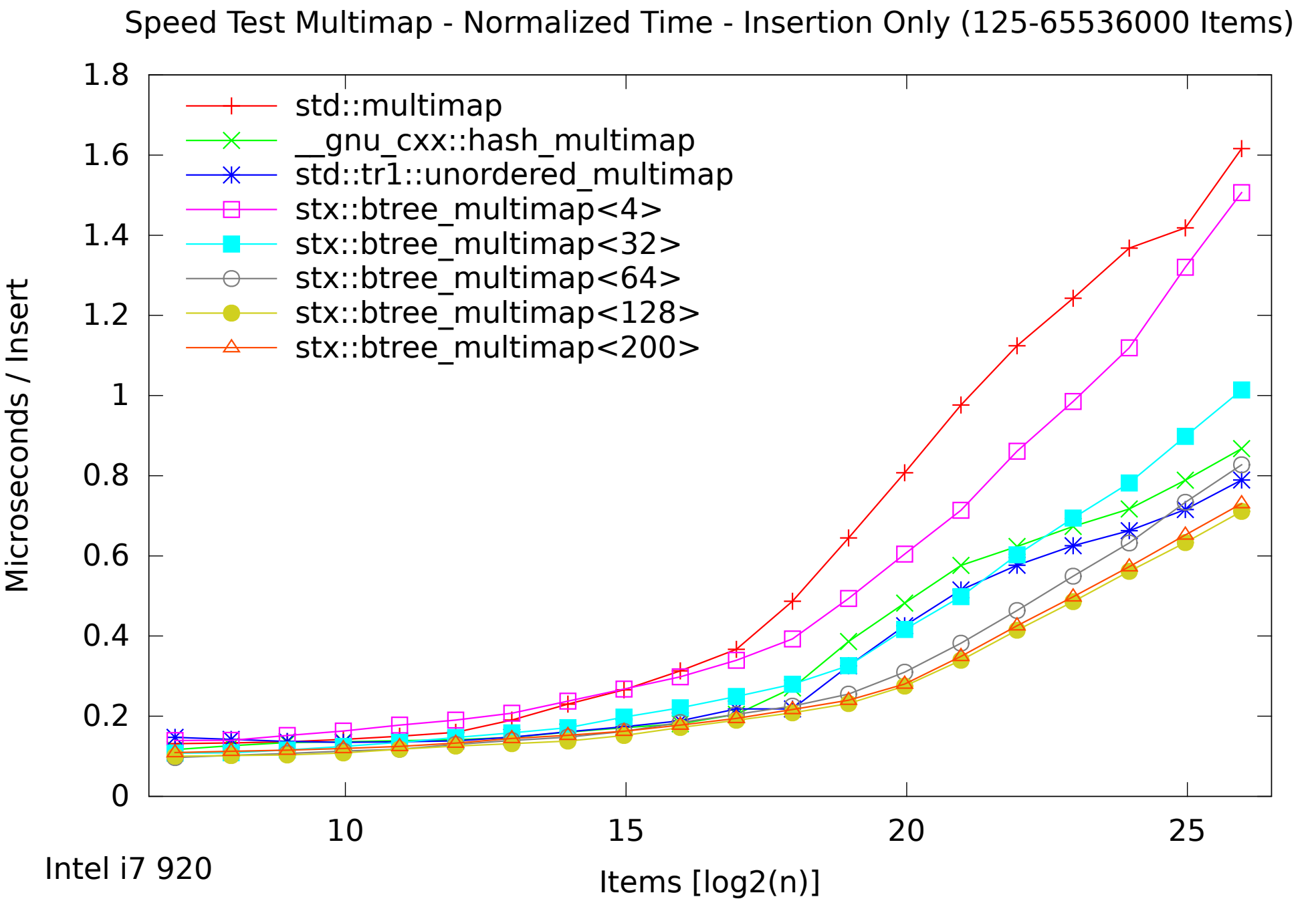
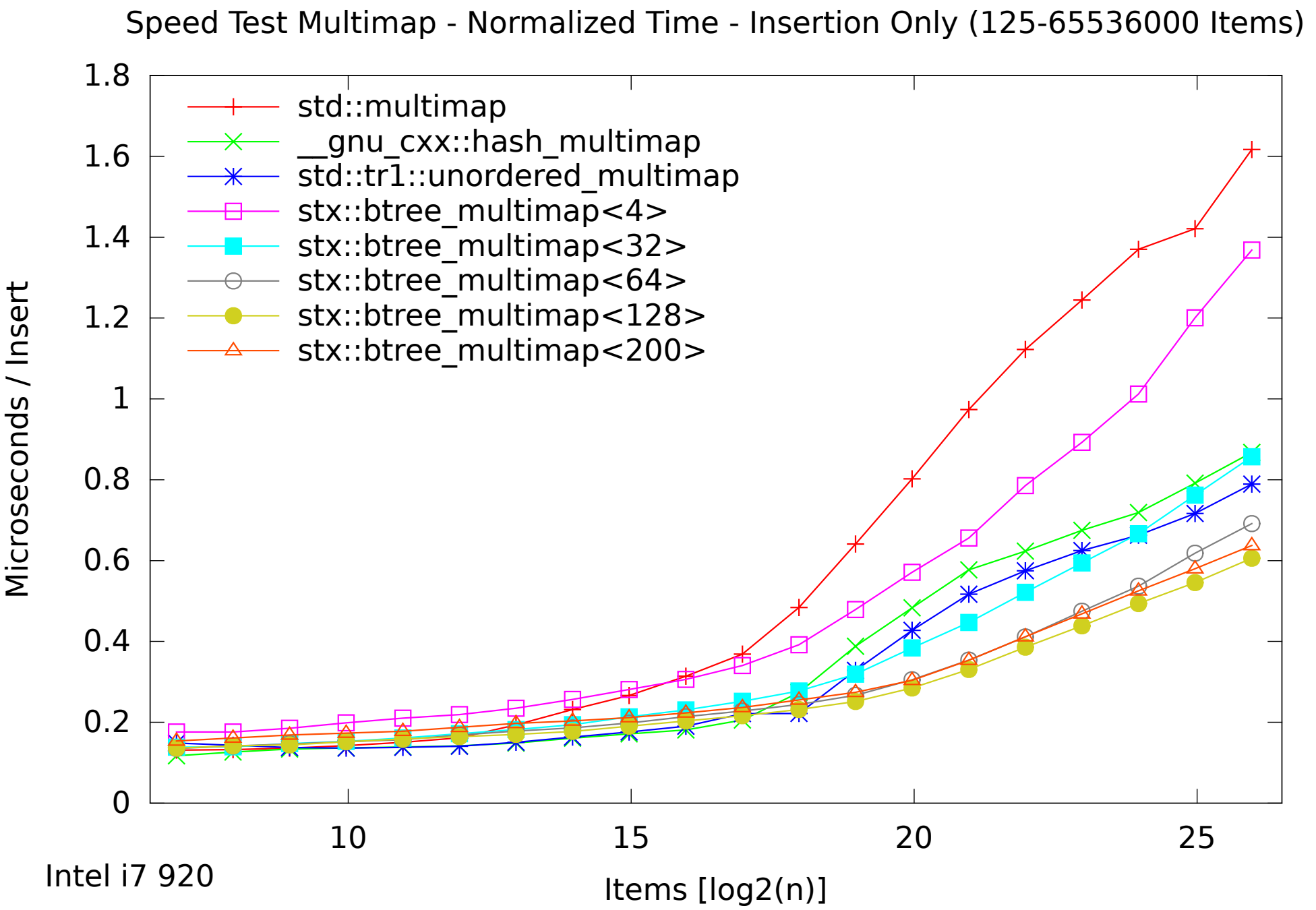
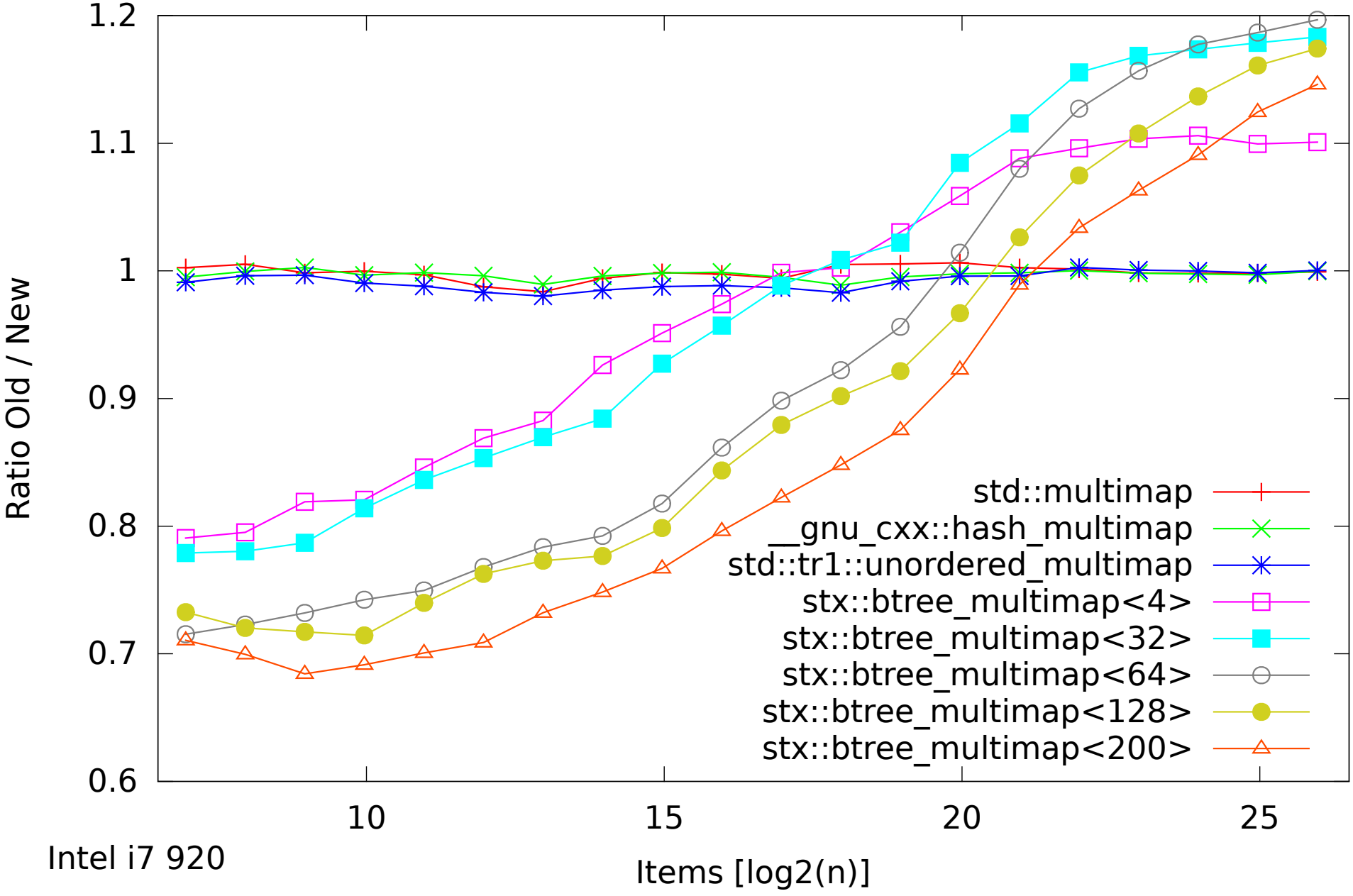
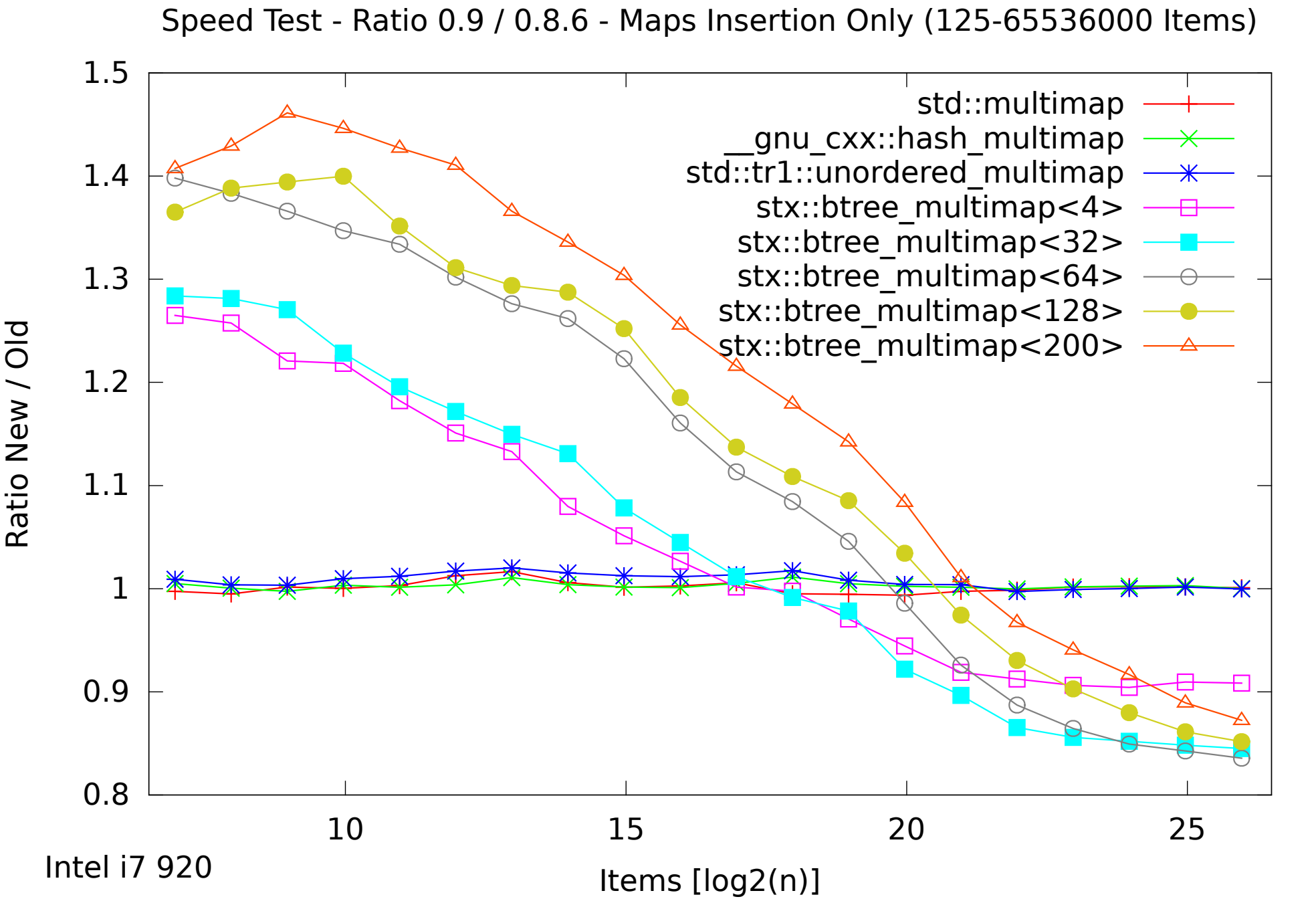
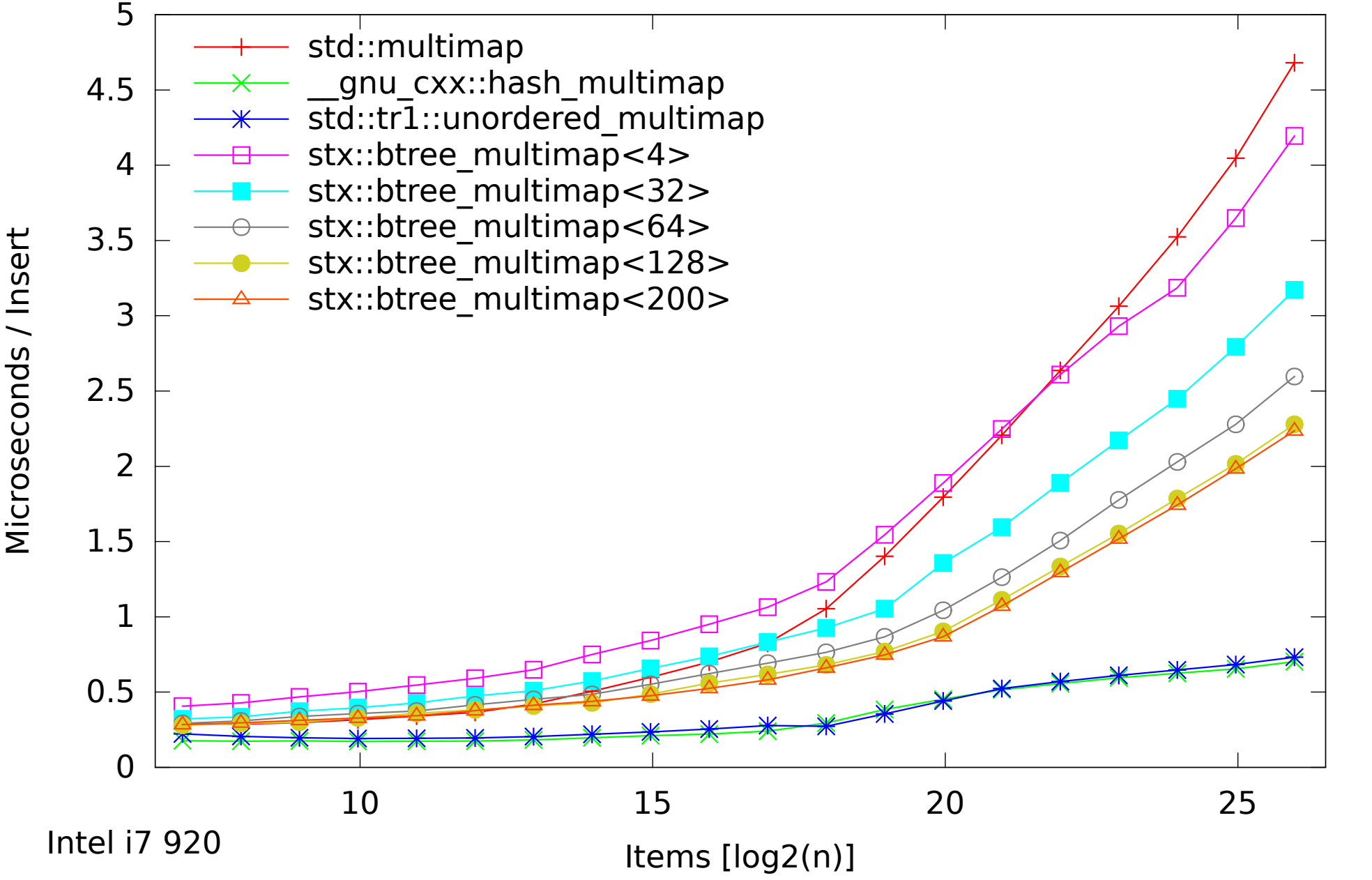
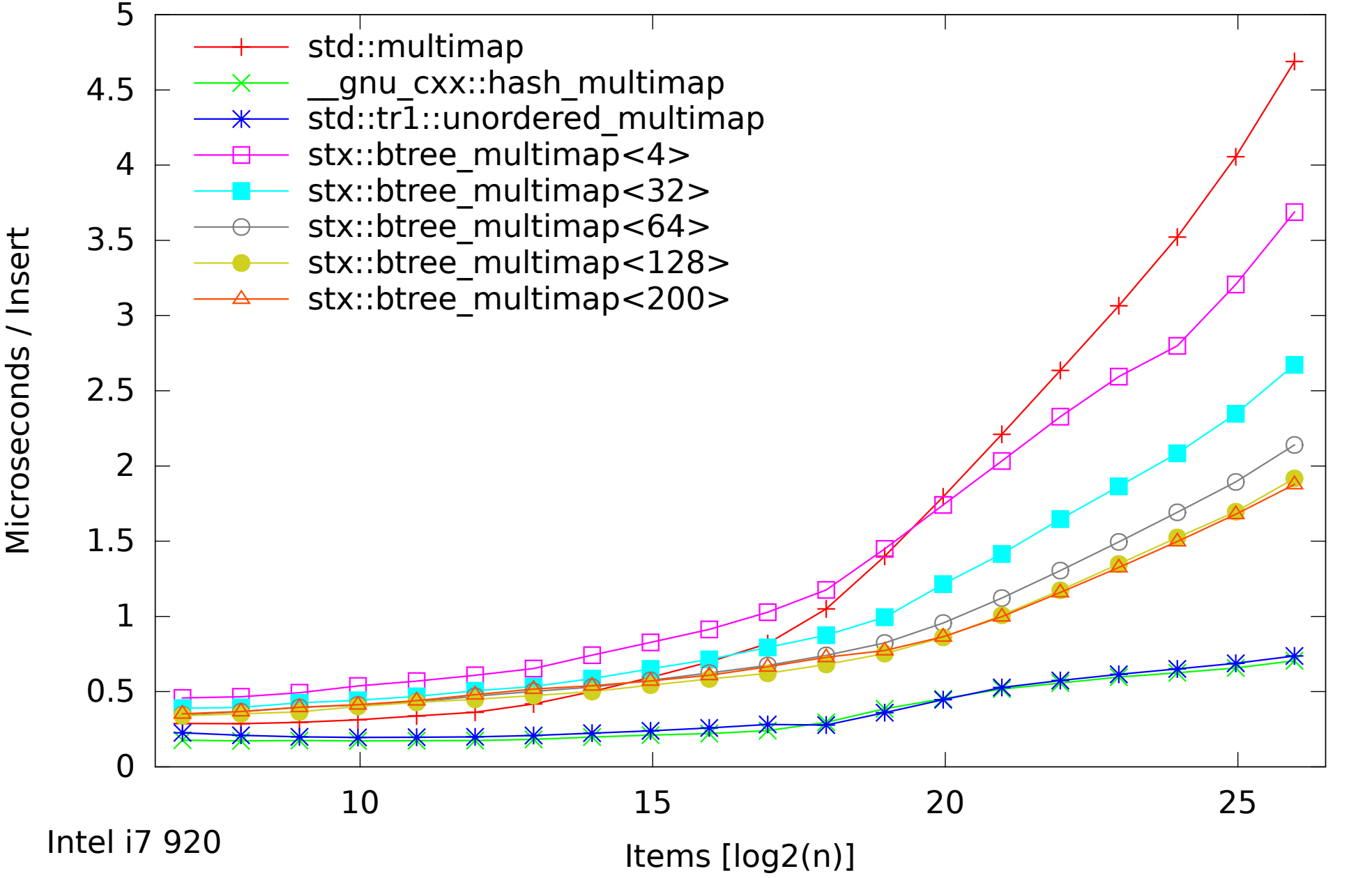

Speed Test Multimap - Normalized Time - Insertion Only (125-65536000 Items)
Microseconds / Insert
Items [log2(n)]
Intel i7 920
std::multimap
__gnu_cxx::hash_multimap
std::tr1::unordered_multimap
stx::btree_multimap<4>
stx::btree_multimap<32>
stx::btree_multimap<64>
stx::btree_multimap<128>
stx::btree_multimap<200>
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
10
15
20
25

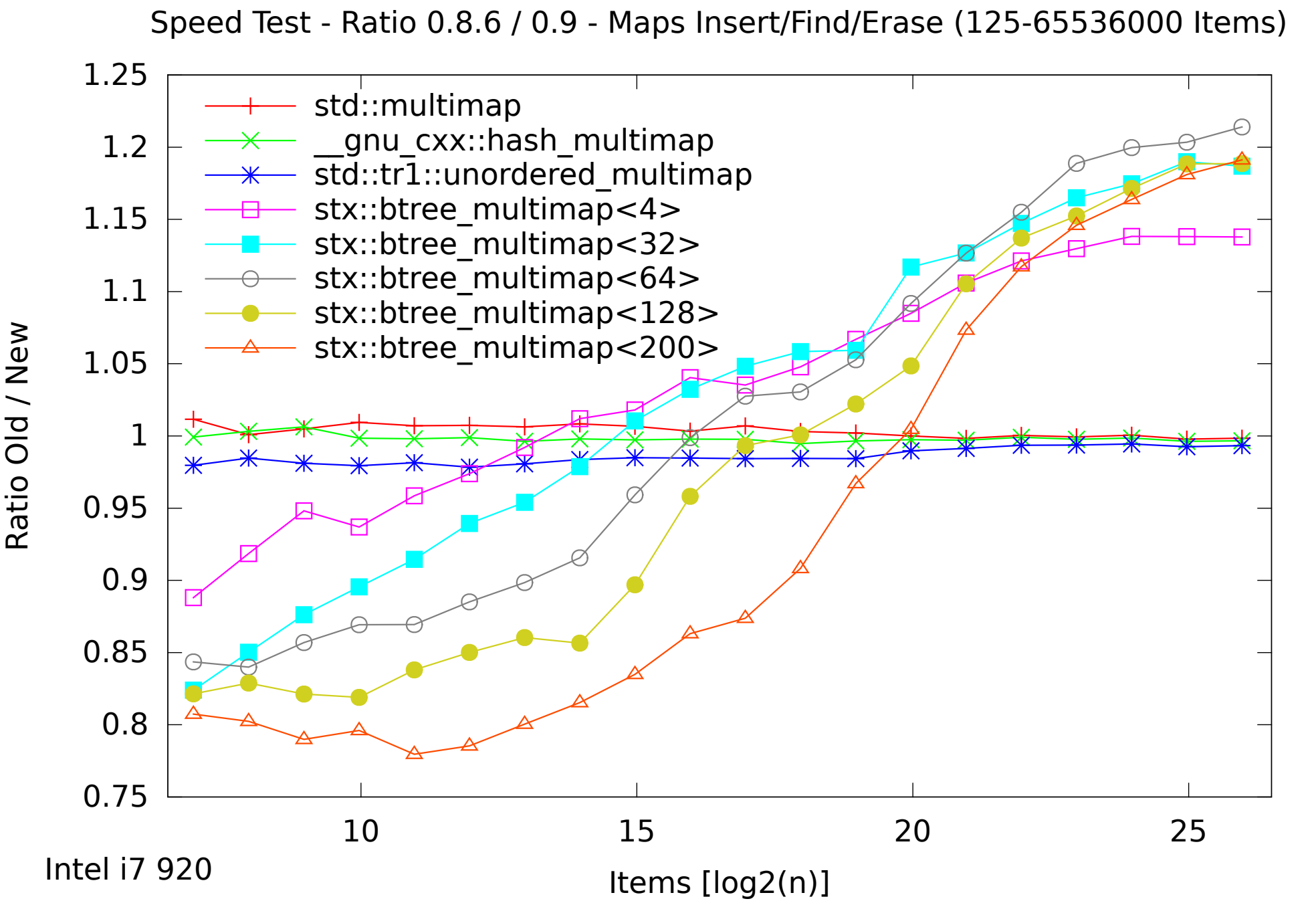

Speed Test Multimap - Normalized Time - Insertion Only (125-65536000 Items)
Microseconds / Insert
Items [log2(n)]
Intel i7 920
std::multimap
__gnu_cxx::hash_multimap
std::tr1::unordered_multimap
stx::btree_multimap<4>
stx::btree_multimap<32>
stx::btree_multimap<64>
stx::btree_multimap<128>
stx::btree_multimap<200>
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
10
15
20
25

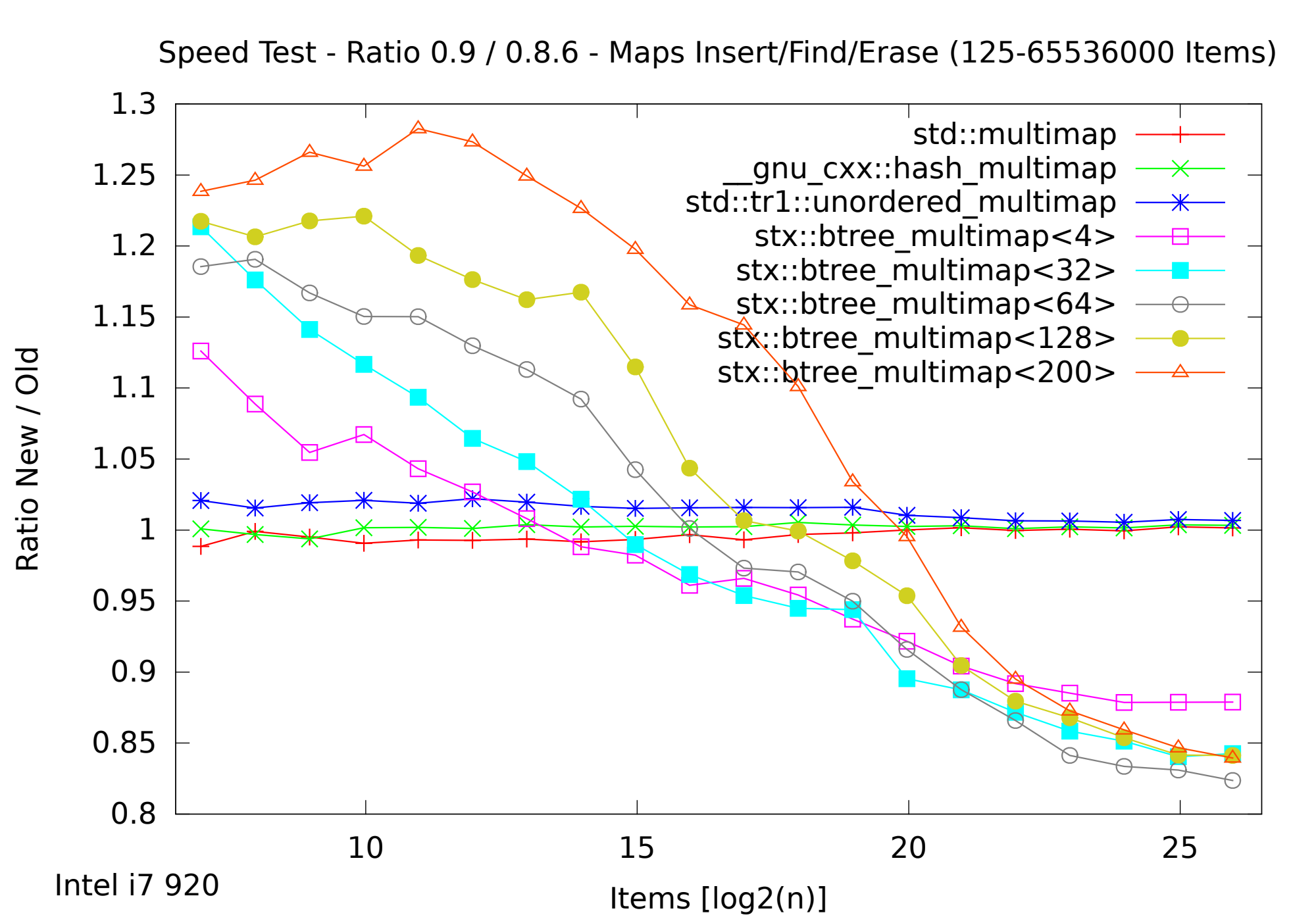

Speed Test - Ratio 0.8.6 / 0.9 - Maps Insertion Only (125-65536000 Items)
Ratio Old / New
1.2
1.1
1
0.9
0.8
0.7
0.6
10
15
20
25
Items [log2(n)]
Intel i7 920
std::multimap
__gnu_cxx::hash_multimap
std::tr1::unordered_multimap
stx::btree_multimap<4>
stx::btree_multimap<32>
stx::btree_multimap<64>
stx::btree_multimap<128>
stx::btree_multimap<200>

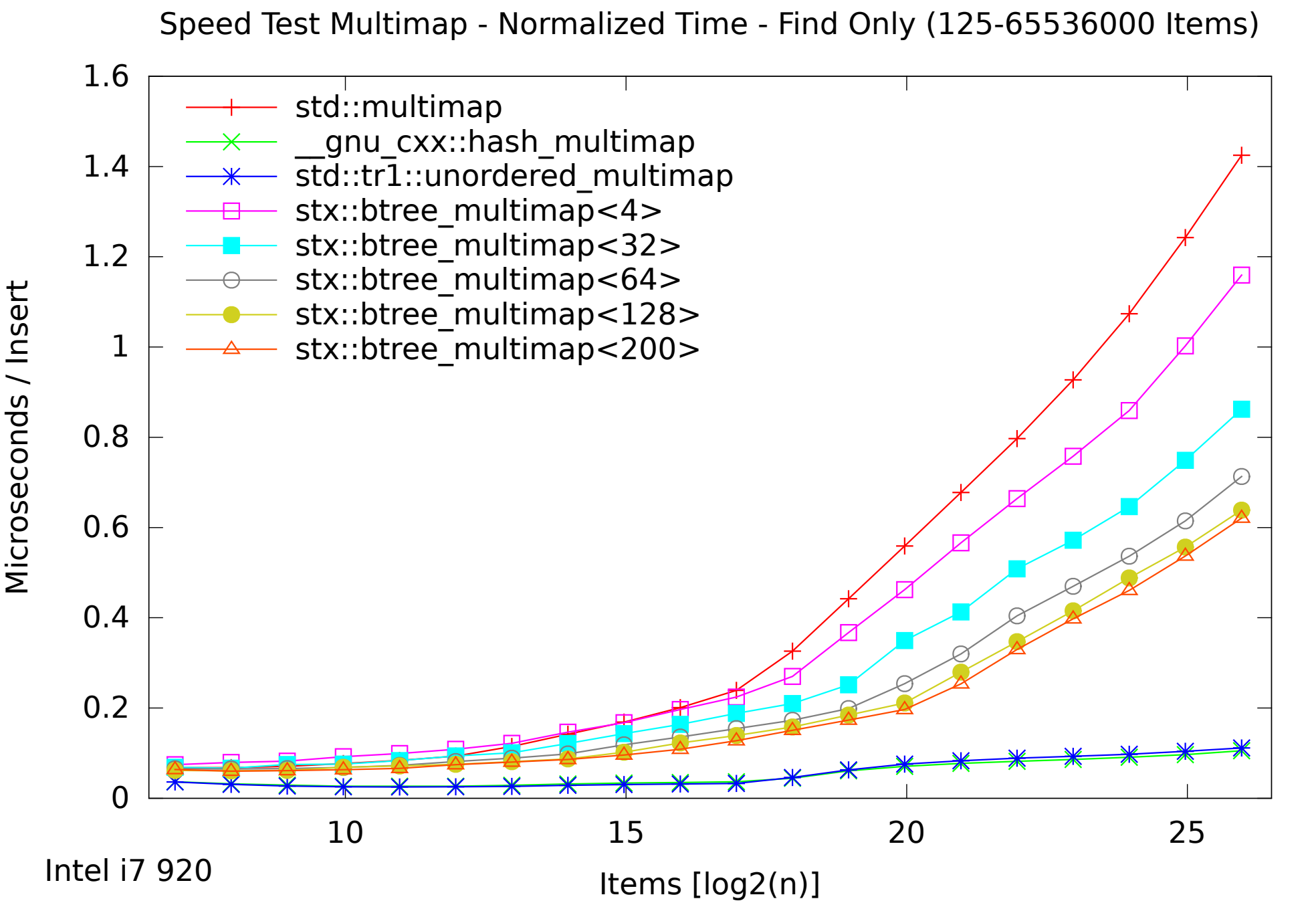

Speed Test - Ratio 0.9 / 0.8.6 - Maps Insertion Only (125-65536000 Items)
Ratio New / Old
1.5
1.4
1.3
1.2
1.1
1
0.9
0.8
10
15
20
25
Items [log2(n)]
Intel i7 920
std::multimap
__gnu_cxx::hash_multimap
std::tr1::unordered_multimap
stx::btree_multimap<4>
stx::btree_multimap<32>
stx::btree_multimap<64>
stx::btree_multimap<128>
stx::btree_multimap<200>

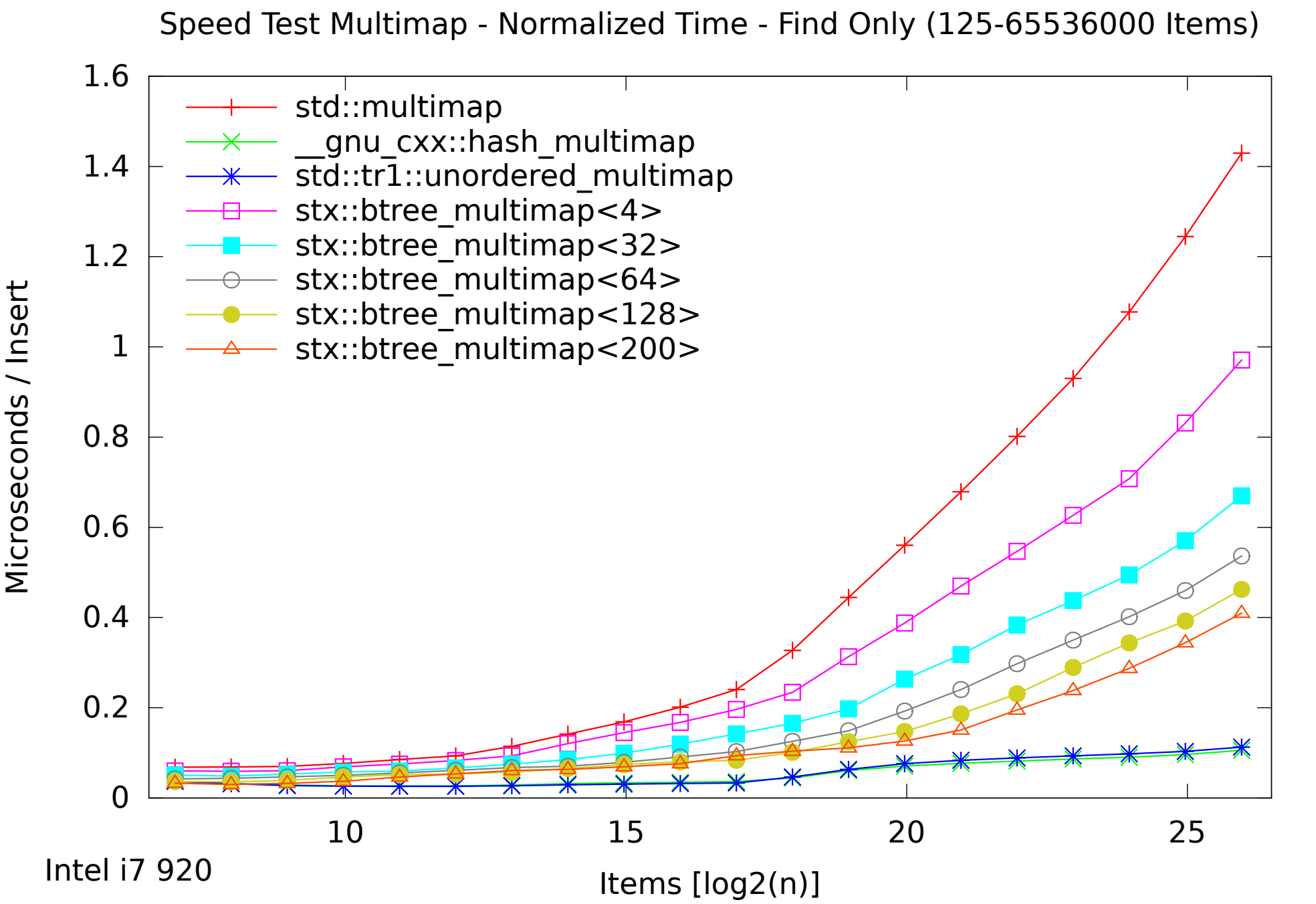

Speed Test Multimap - Normalized Time - Insert/Find/Erase (125-65536000 Items)
Microseconds / Insert
Items [log2(n)]
Intel i7 920
std::multimap
__gnu_cxx::hash_multimap
std::tr1::unordered_multimap
stx::btree_multimap<4>
stx::btree_multimap<32>
stx::btree_multimap<64>
stx::btree_multimap<128>
stx::btree_multimap<200>
0
0.5
1
1.5
2
2.5
3
3.5
4
4.5
5
10
15
20
25

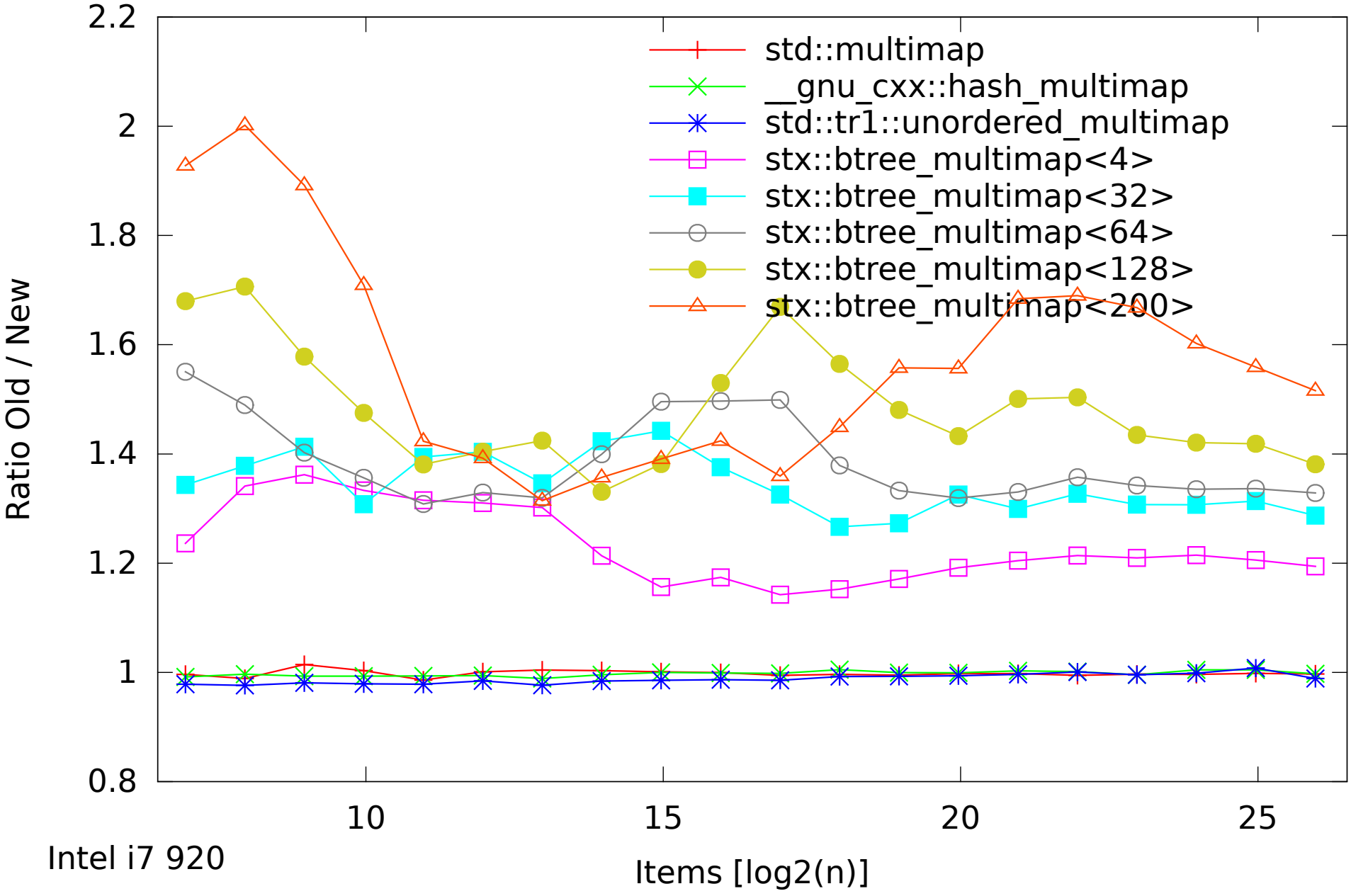

Speed Test Multimap - Normalized Time - Insert/Find/Erase (125-65536000 Items)
Microseconds / Insert
Items [log2(n)]
Intel i7 920
std::multimap
__gnu_cxx::hash_multimap
std::tr1::unordered_multimap
stx::btree_multimap<4>
stx::btree_multimap<32>
stx::btree_multimap<64>
stx::btree_multimap<128>
stx::btree_multimap<200>
0
0.5
1
1.5
2
2.5
3
3.5
4
4.5
5
10
15
20
25

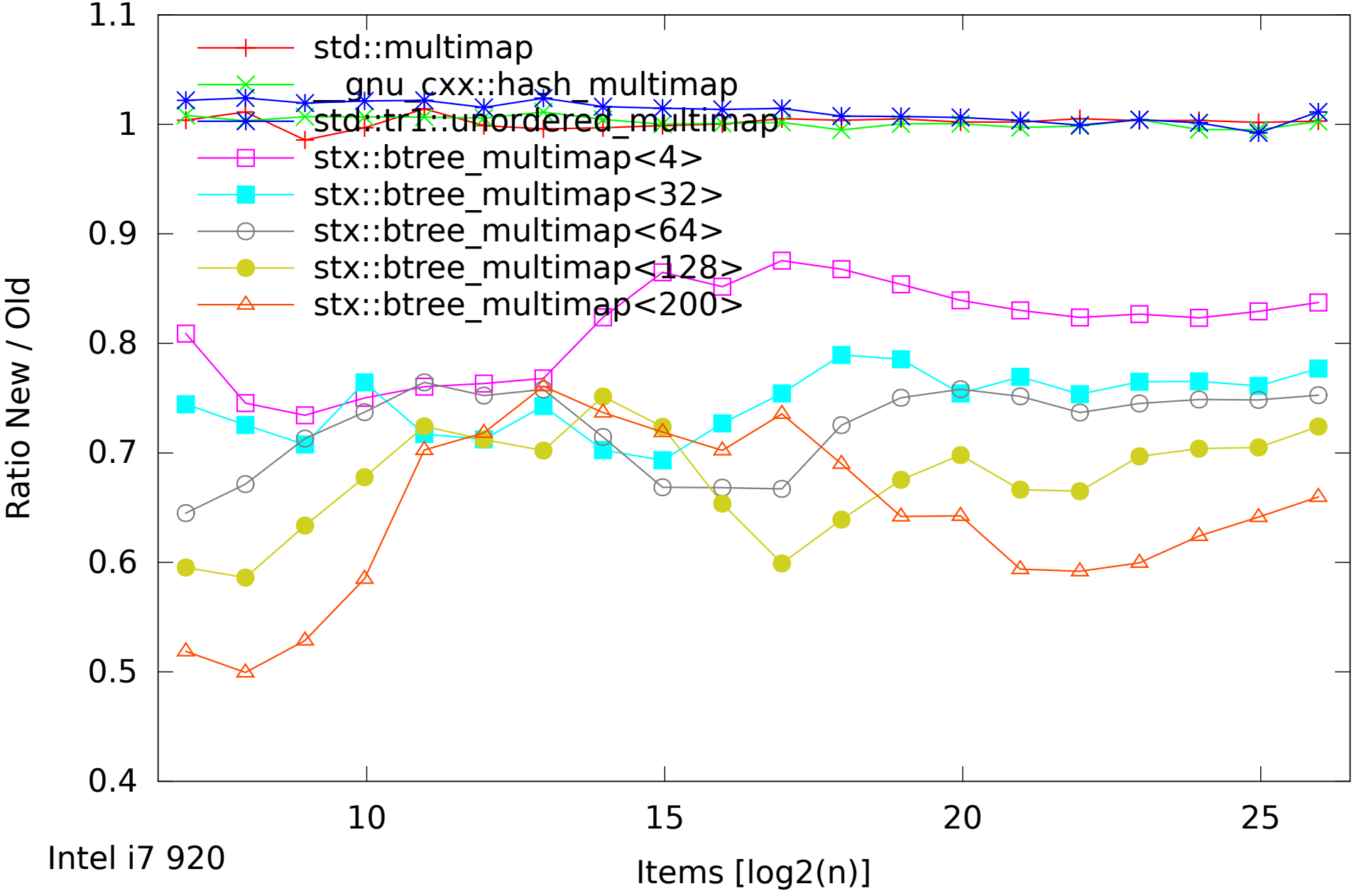

Speed Test - Ratio 0.8.6 / 0.9 - Maps Insert/Find/Erase (125-65536000 Items)
Ratio Old / New
Items [log2(n)]
Intel i7 920
1.25
1.2
1.15
1.1
1.05
1
0.95
0.9
0.85
0.8
0.75
10
15
20
25
std::multimap
__gnu_cxx::hash_multimap
std::tr1::unordered_multimap
stx::btree_multimap<4>
stx::btree_multimap<32>
stx::btree_multimap<64>
stx::btree_multimap<128>
stx::btree_multimap<200>

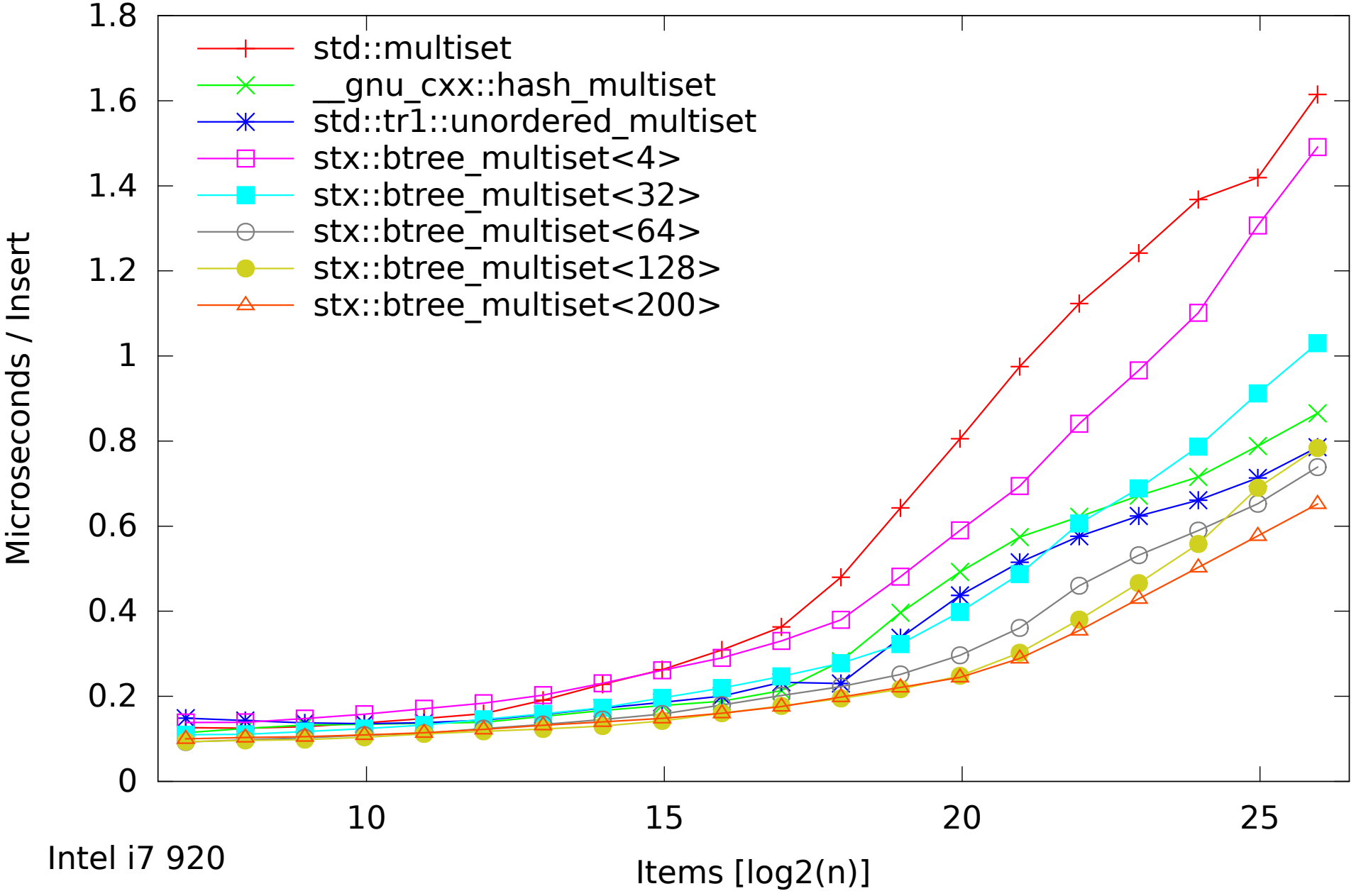

Speed Test - Ratio 0.9 / 0.8.6 - Maps Insert/Find/Erase (125-65536000 Items)
Ratio New / Old
Items [log2(n)]
Intel i7 920
1.3
1.25
1.2
1.15
1.1
1.05
1
0.95
0.9
0.85
0.8
10
15
20
25
std::multimap
__gnu_cxx::hash_multimap
std::tr1::unordered_multimap
stx::btree_multimap<4>
stx::btree_multimap<32>
stx::btree_multimap<64>
stx::btree_multimap<128>
stx::btree_multimap<200>

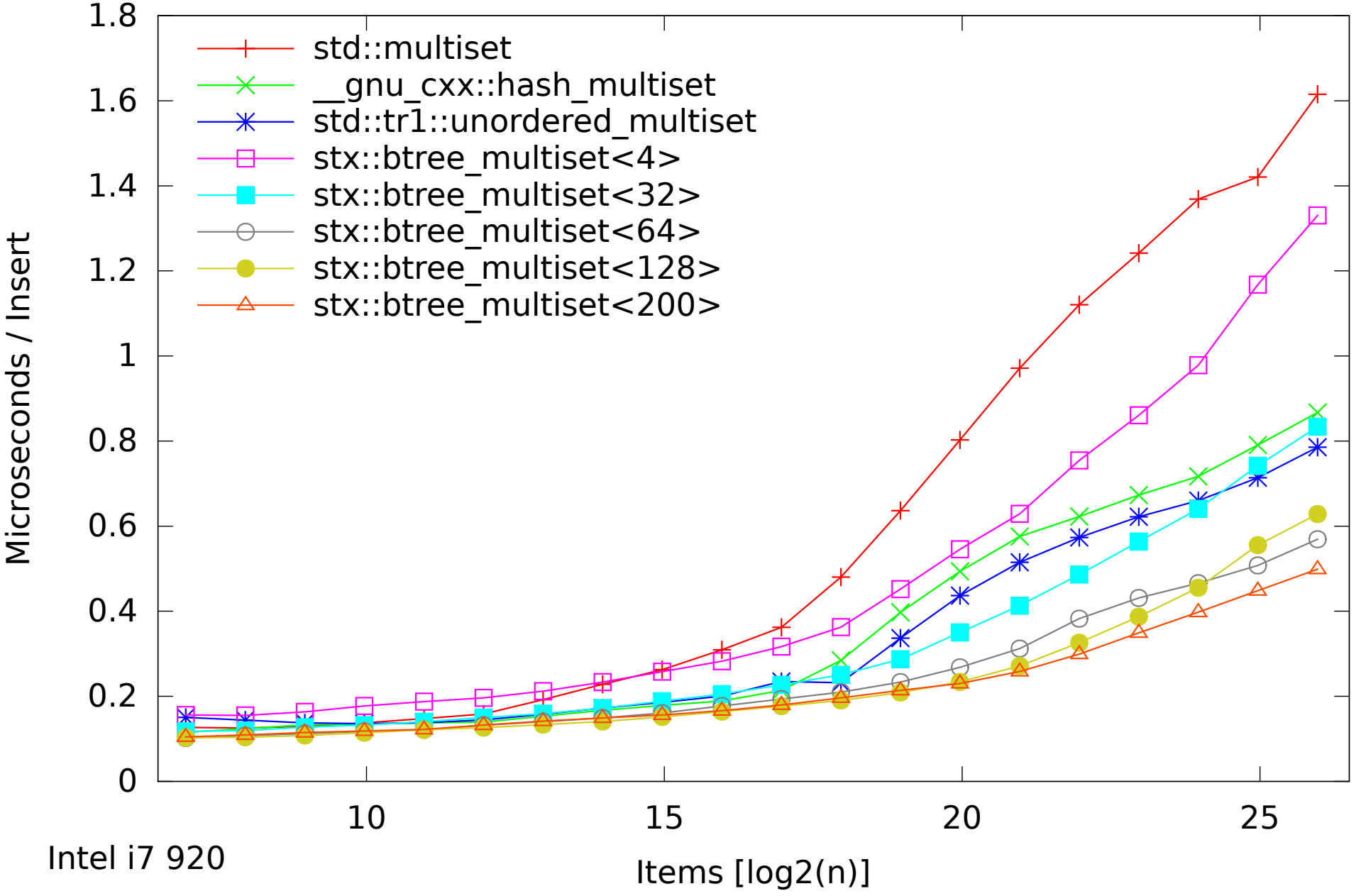

Speed Test Multimap - Normalized Time - Find Only (125-65536000 Items)
Microseconds / Insert
Items [log2(n)]
Intel i7 920
std::multimap
__gnu_cxx::hash_multimap
std::tr1::unordered_multimap
stx::btree_multimap<4>
stx::btree_multimap<32>
stx::btree_multimap<64>
stx::btree_multimap<128>
stx::btree_multimap<200>
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
10
15
20
25

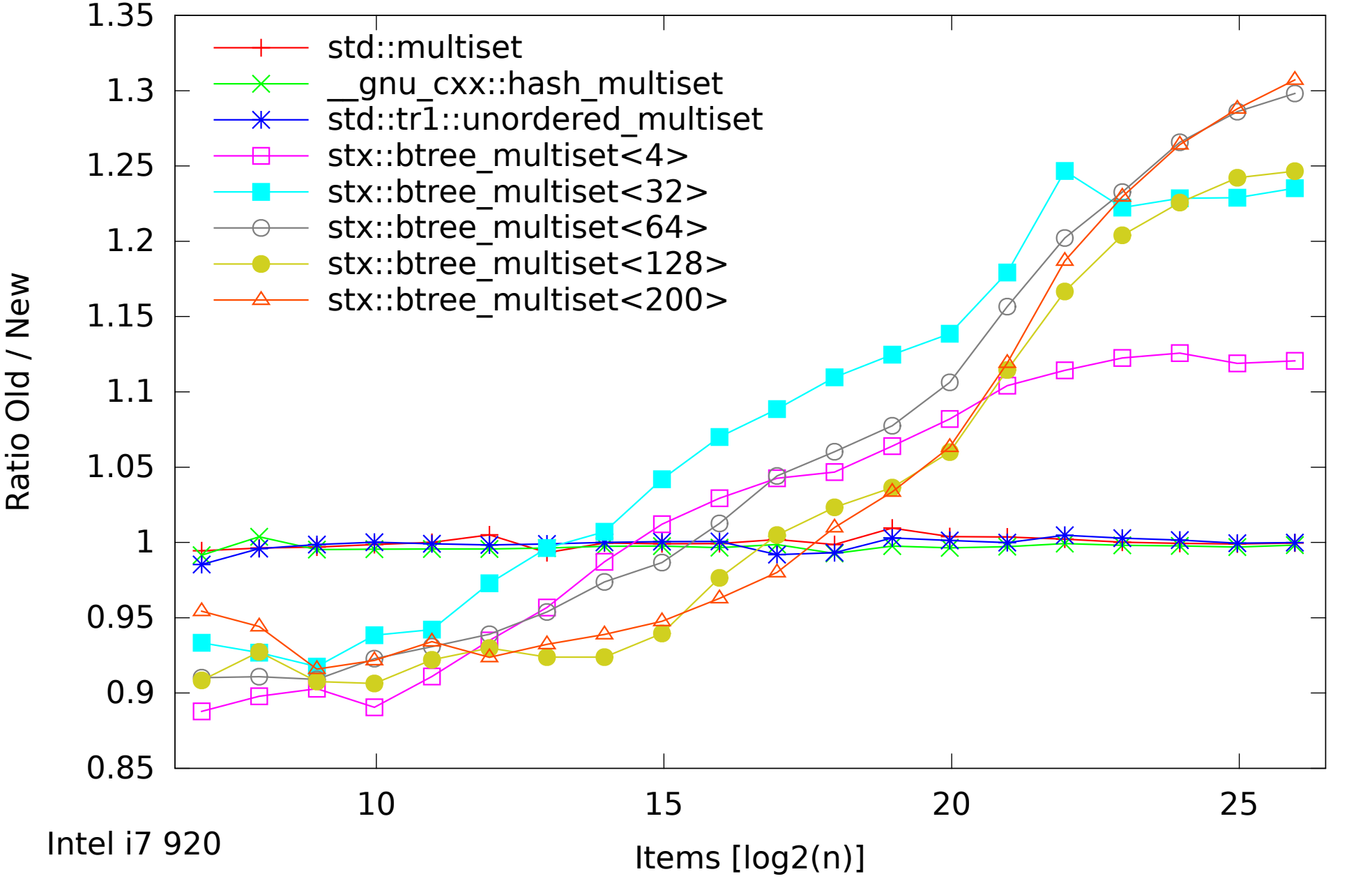

Speed Test Multimap - Normalized Time - Find Only (125-65536000 Items)
Microseconds / Insert
Items [log2(n)]
Intel i7 920
std::multimap
__gnu_cxx::hash_multimap
std::tr1::unordered_multimap
stx::btree_multimap<4>
stx::btree_multimap<32>
stx::btree_multimap<64>
stx::btree_multimap<128>
stx::btree_multimap<200>
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
10
15
20
25

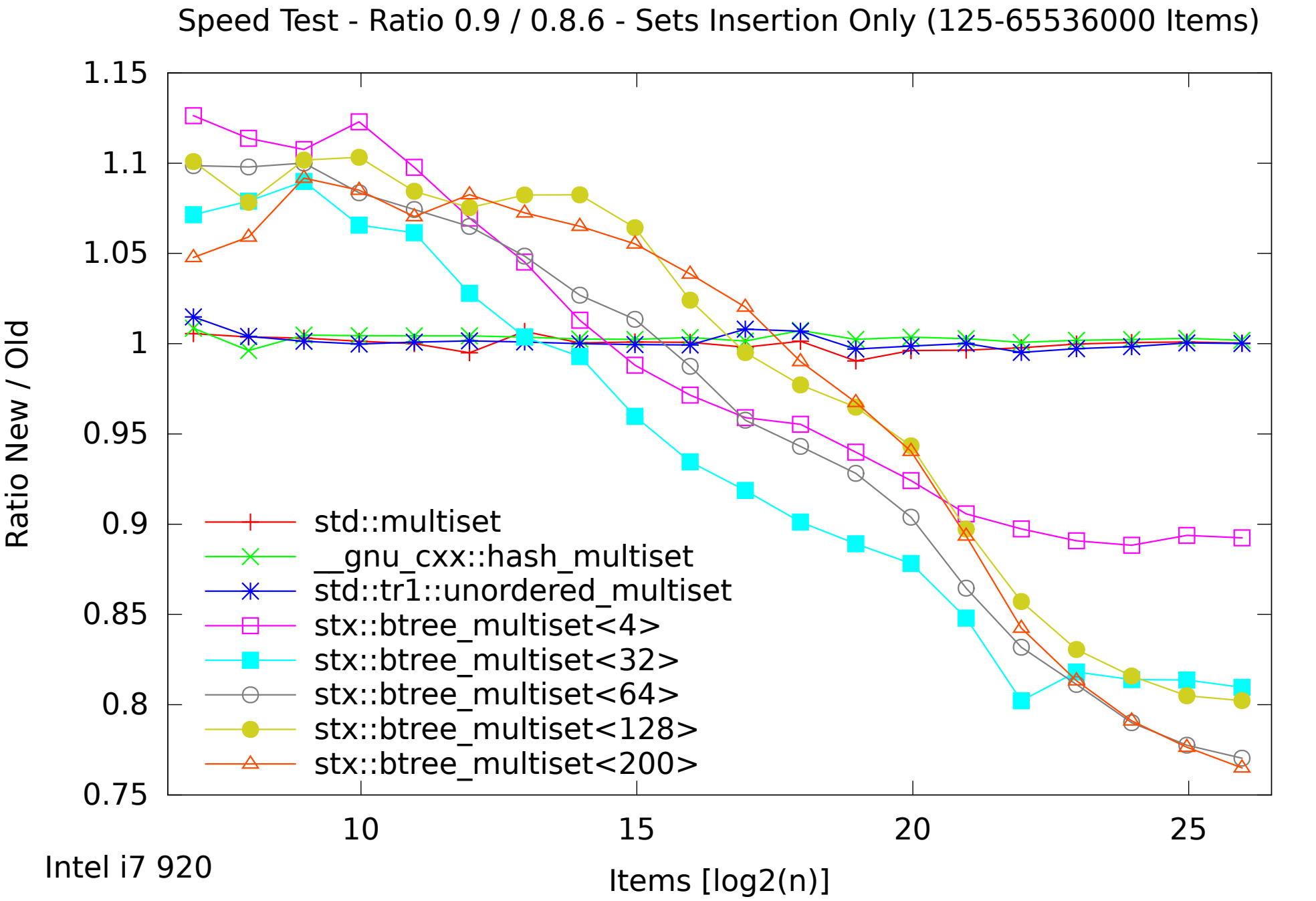

Speed Test - Ratio 0.8.6 / 0.9 - Maps Find Only (125-65536000 Items)
Ratio Old / New
Items [log2(n)]
Intel i7 920
std::multimap
__gnu_cxx::hash_multimap
std::tr1::unordered_multimap
stx::btree_multimap<4>
stx::btree_multimap<32>
stx::btree_multimap<64>
stx::btree_multimap<128>
stx::btree_multimap<200>
2.2
2
1.8
1.6
1.4
1.2
1
0.8
10
15
20
25

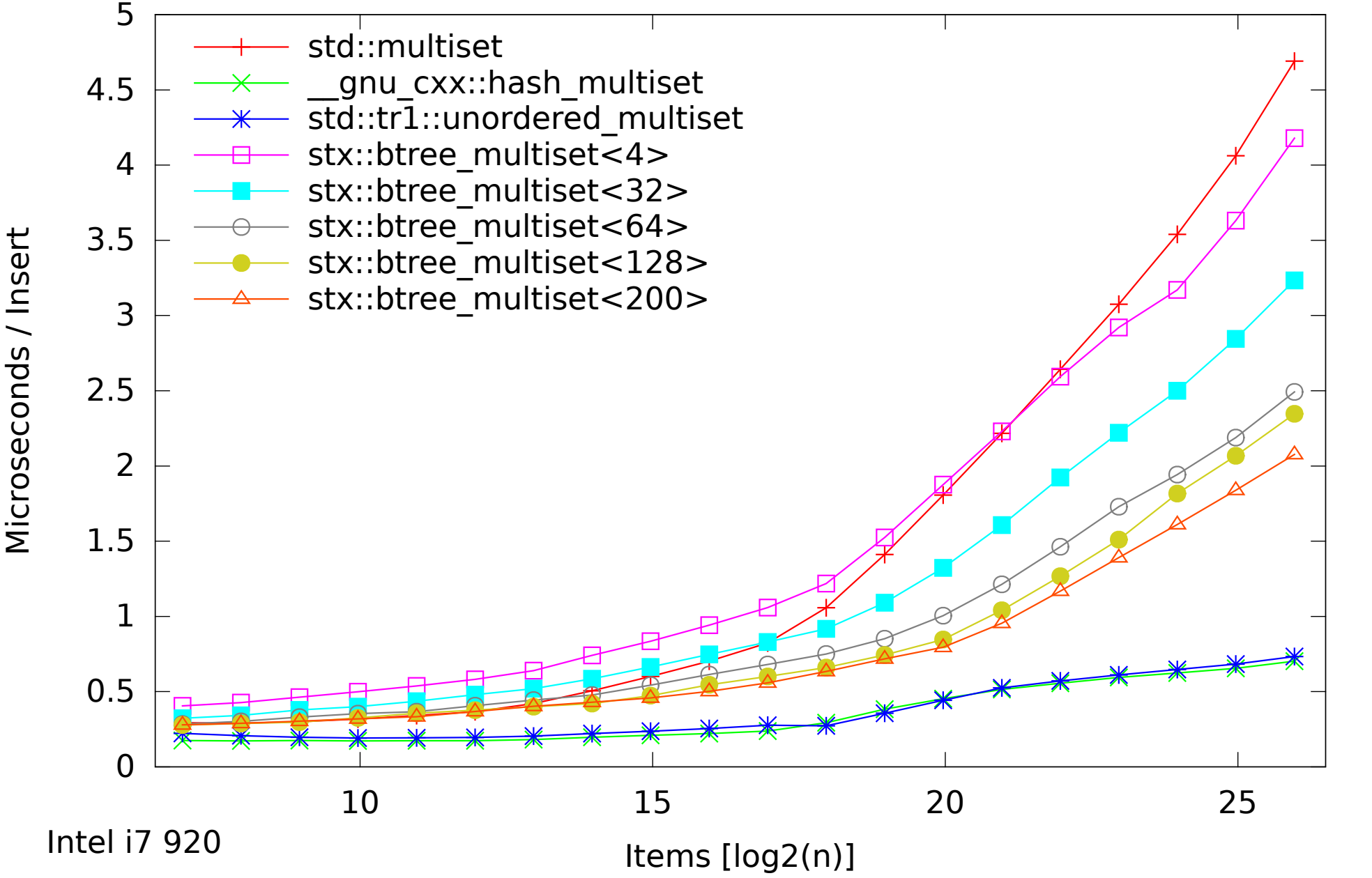

Speed Test - Ratio 0.9 / 0.8.6 - Maps Find Only (125-65536000 Items)
std::multimap
__gnu_cxx::hash_multimap
std::tr1::unordered_multimap
stx::btree_multimap<4>
stx::btree_multimap<32>
stx::btree_multimap<64>
stx::btree_multimap<128>
stx::btree_multimap<200>
Ratio New / Old
1.1
1
0.9
0.8
0.7
0.6
0.5
0.4
10
15
20
25
Items [log2(n)]
Intel i7 920

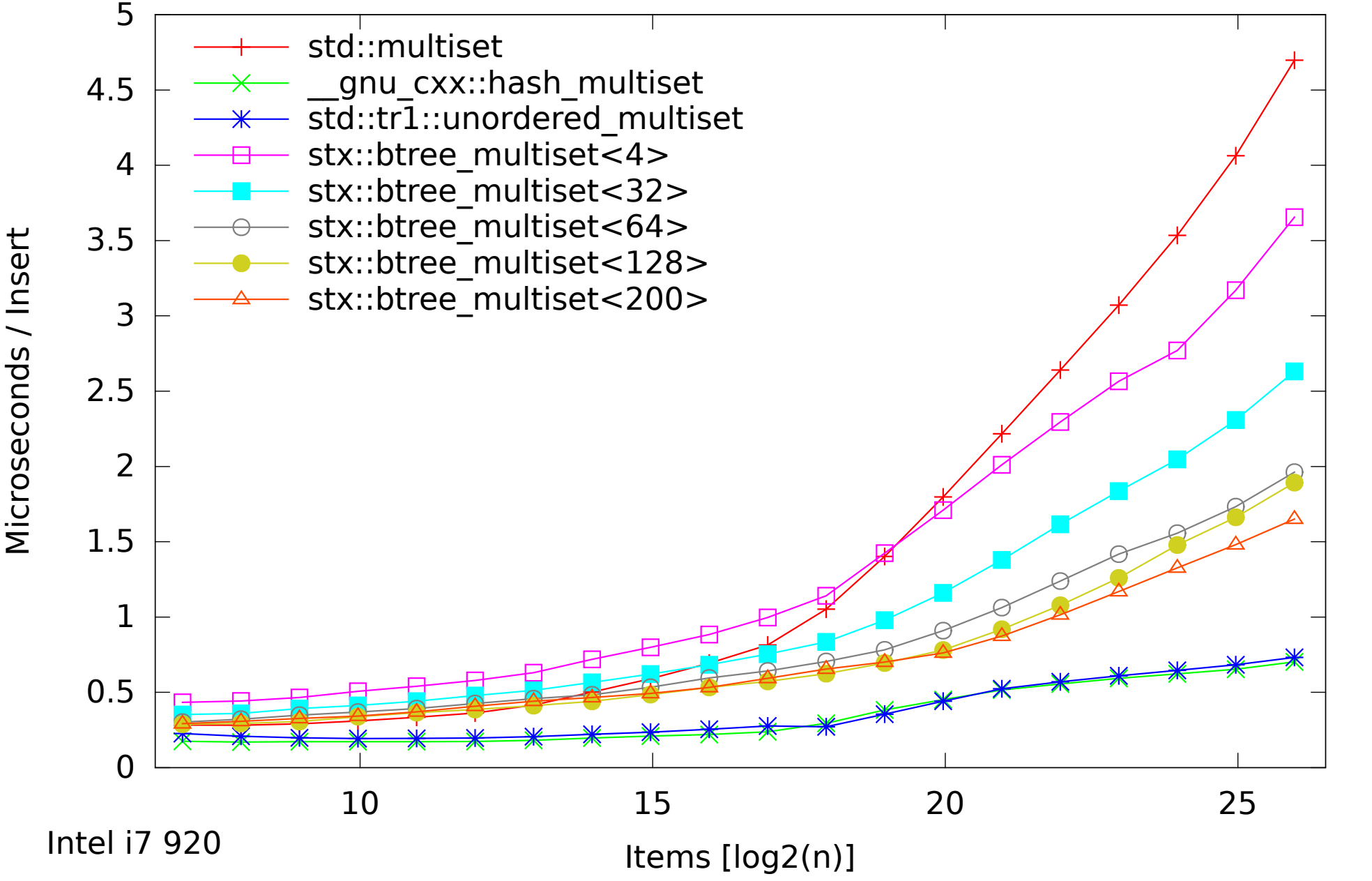

Speed Test Multiset - Normalized Time - Insertion Only (125-65536000 Items)
Microseconds / Insert
Items [log2(n)]
Intel i7 920
std::multiset
__gnu_cxx::hash_multiset
std::tr1::unordered_multiset
stx::btree_multiset<4>
stx::btree_multiset<32>
stx::btree_multiset<64>
stx::btree_multiset<128>
stx::btree_multiset<200>
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
10
15
20
25

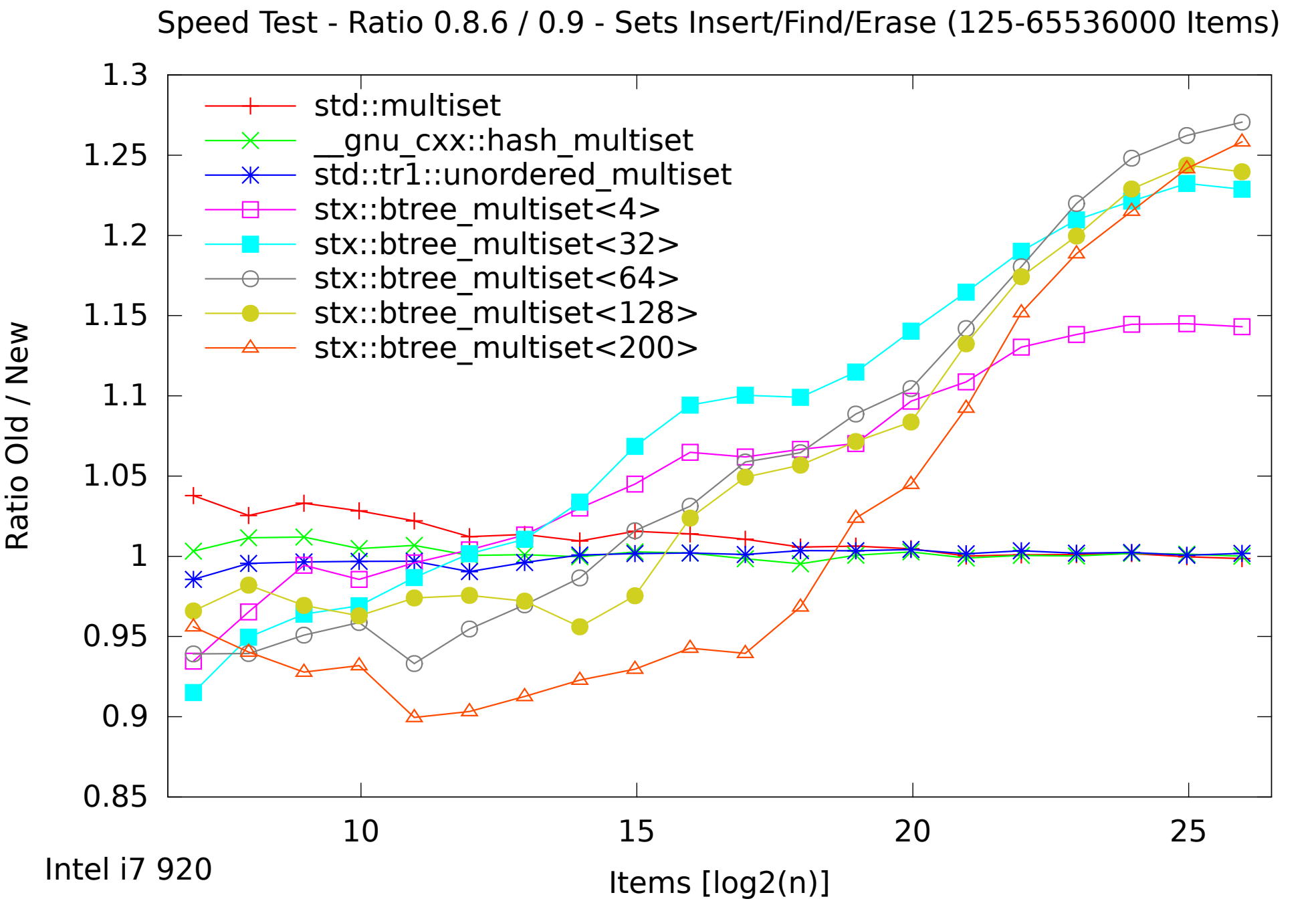

Speed Test Multiset - Normalized Time - Insertion Only (125-65536000 Items)
Microseconds / Insert
Items [log2(n)]
Intel i7 920
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
10
15
20
25
std::multiset
__gnu_cxx::hash_multiset
std::tr1::unordered_multiset
stx::btree_multiset<4>
stx::btree_multiset<32>
stx::btree_multiset<64>
stx::btree_multiset<128>
stx::btree_multiset<200>

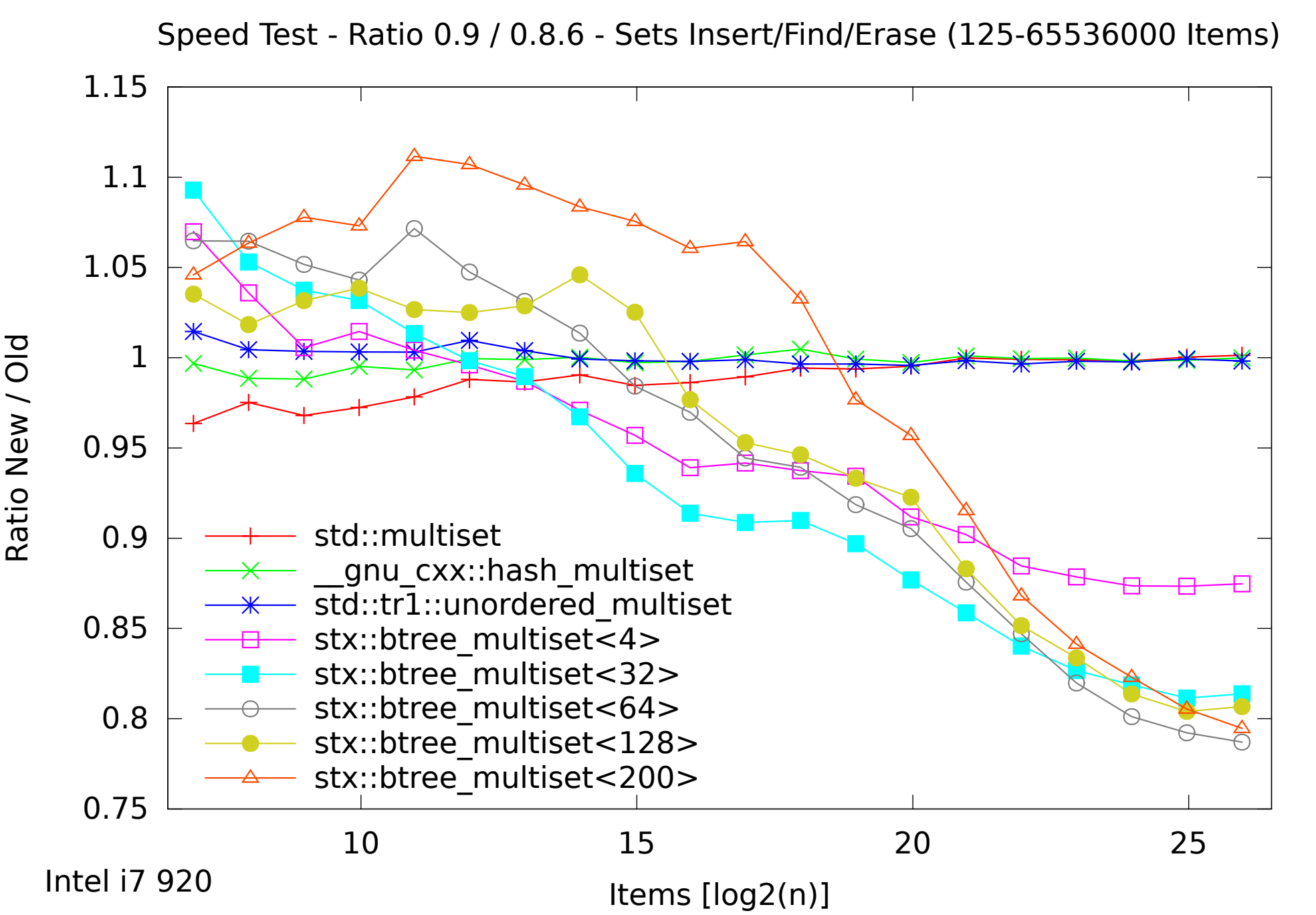

Speed Test - Ratio 0.8.6 / 0.9 - Sets Insertion Only (125-65536000 Items)
Ratio Old / New
Items [log2(n)]
Intel i7 920
std::multiset
__gnu_cxx::hash_multiset
std::tr1::unordered_multiset
stx::btree_multiset<4>
stx::btree_multiset<32>
stx::btree_multiset<64>
stx::btree_multiset<128>
stx::btree_multiset<200>
1.35
1.3
1.25
1.2
1.15
1.1
1.05
1
0.95
0.9
0.85
10
15
20
25

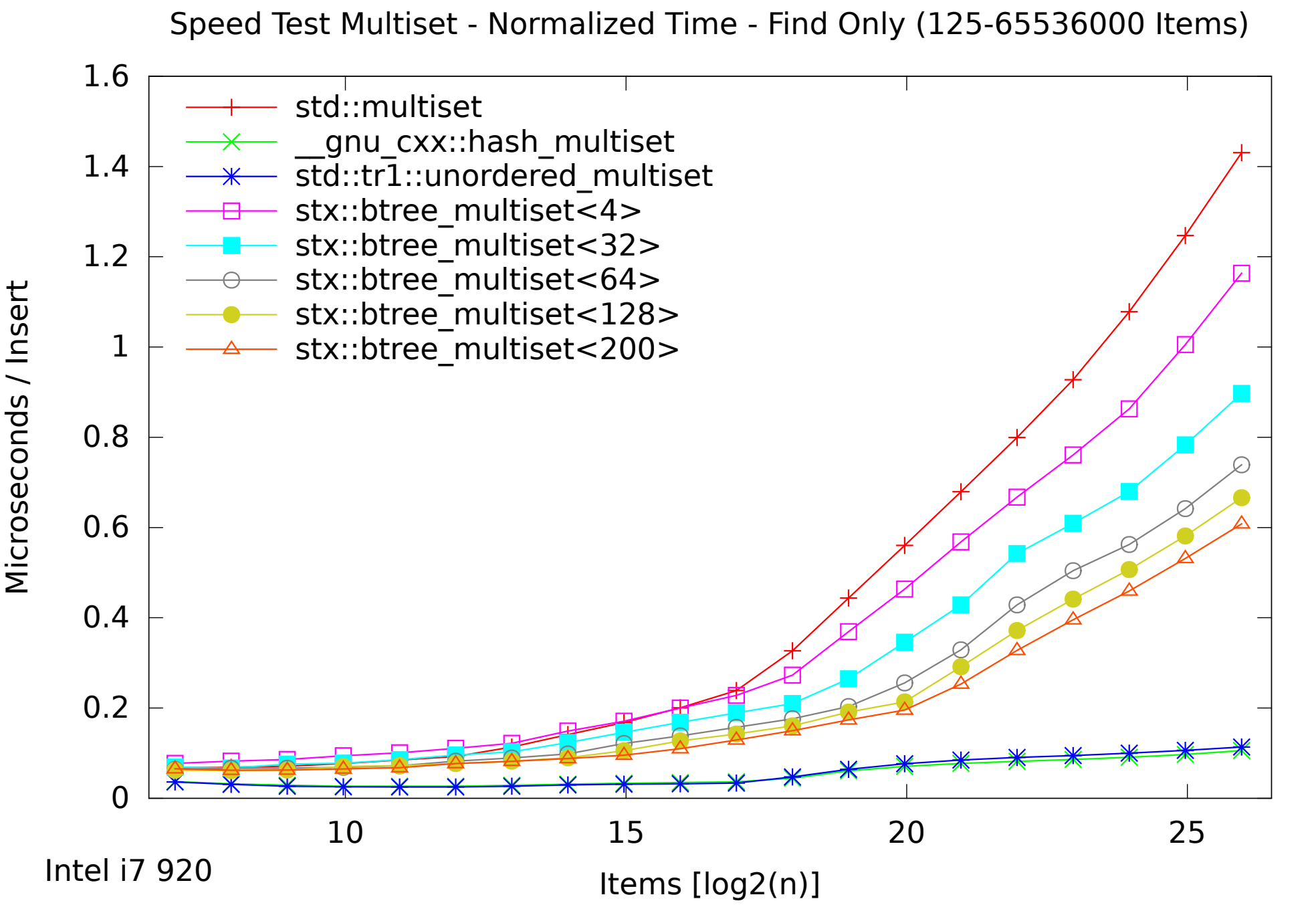

Speed Test - Ratio 0.9 / 0.8.6 - Sets Insertion Only (125-65536000 Items)
Ratio New / Old
1.15
1.1
1.05
1
0.95
0.9
0.85
0.8
0.75
10
15
20
25
Items [log2(n)]
Intel i7 920
std::multiset
__gnu_cxx::hash_multiset
std::tr1::unordered_multiset
stx::btree_multiset<4>
stx::btree_multiset<32>
stx::btree_multiset<64>
stx::btree_multiset<128>
stx::btree_multiset<200>

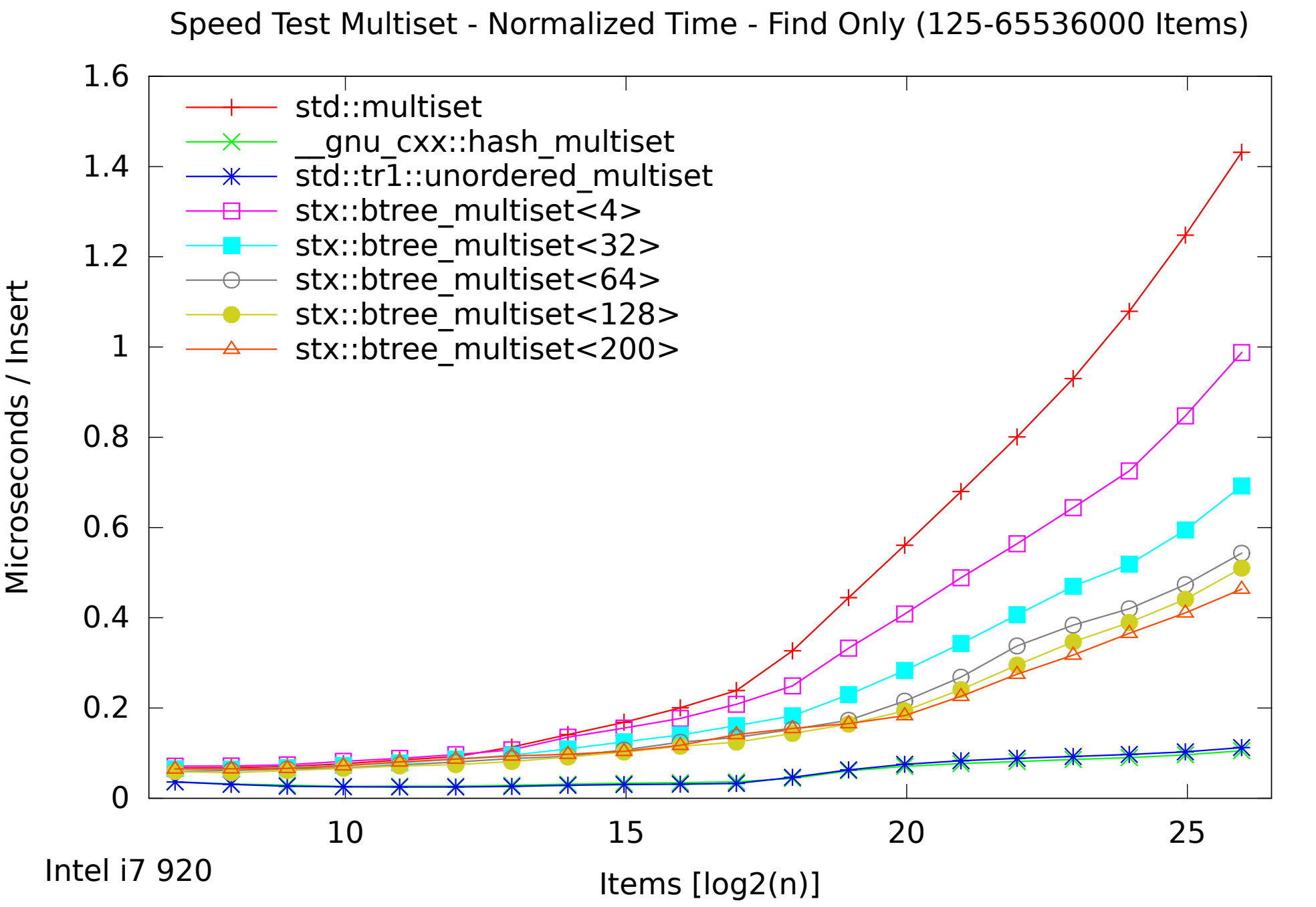

Speed Test Multiset - Normalized Time - Insert/Find/Erase (125-65536000 Items)
Microseconds / Insert
Items [log2(n)]
Intel i7 920
std::multiset
__gnu_cxx::hash_multiset
std::tr1::unordered_multiset
stx::btree_multiset<4>
stx::btree_multiset<32>
stx::btree_multiset<64>
stx::btree_multiset<128>
stx::btree_multiset<200>
0
0.5
1
1.5
2
2.5
3
3.5
4
4.5
5
10
15
20
25

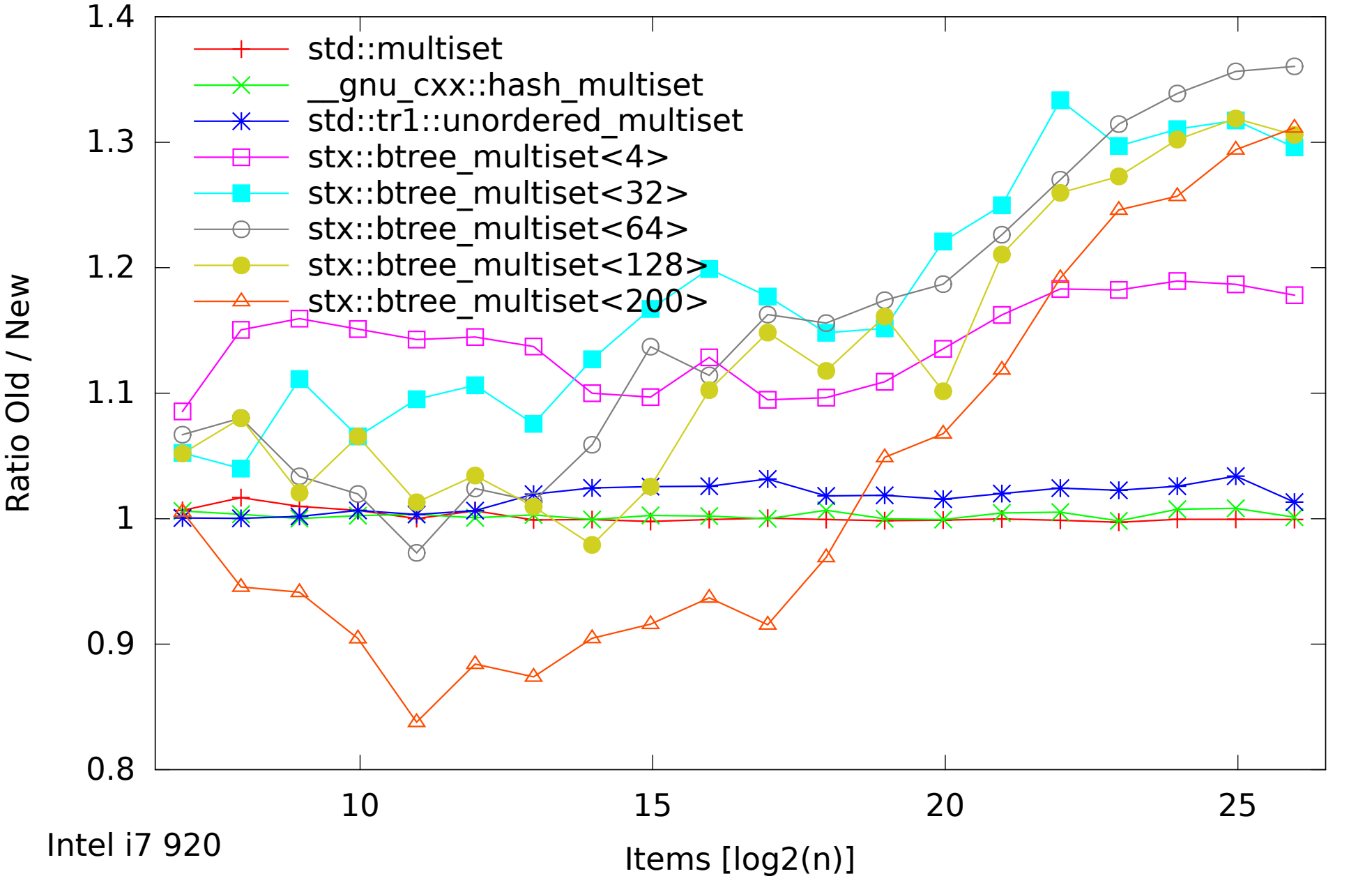

Speed Test Multiset - Normalized Time - Insert/Find/Erase (125-65536000 Items)
Microseconds / Insert
Items [log2(n)]
Intel i7 920
std::multiset
__gnu_cxx::hash_multiset
std::tr1::unordered_multiset
stx::btree_multiset<4>
stx::btree_multiset<32>
stx::btree_multiset<64>
stx::btree_multiset<128>
stx::btree_multiset<200>
0
0.5
1
1.5
2
2.5
3
3.5
4
4.5
5
10
15
20
25

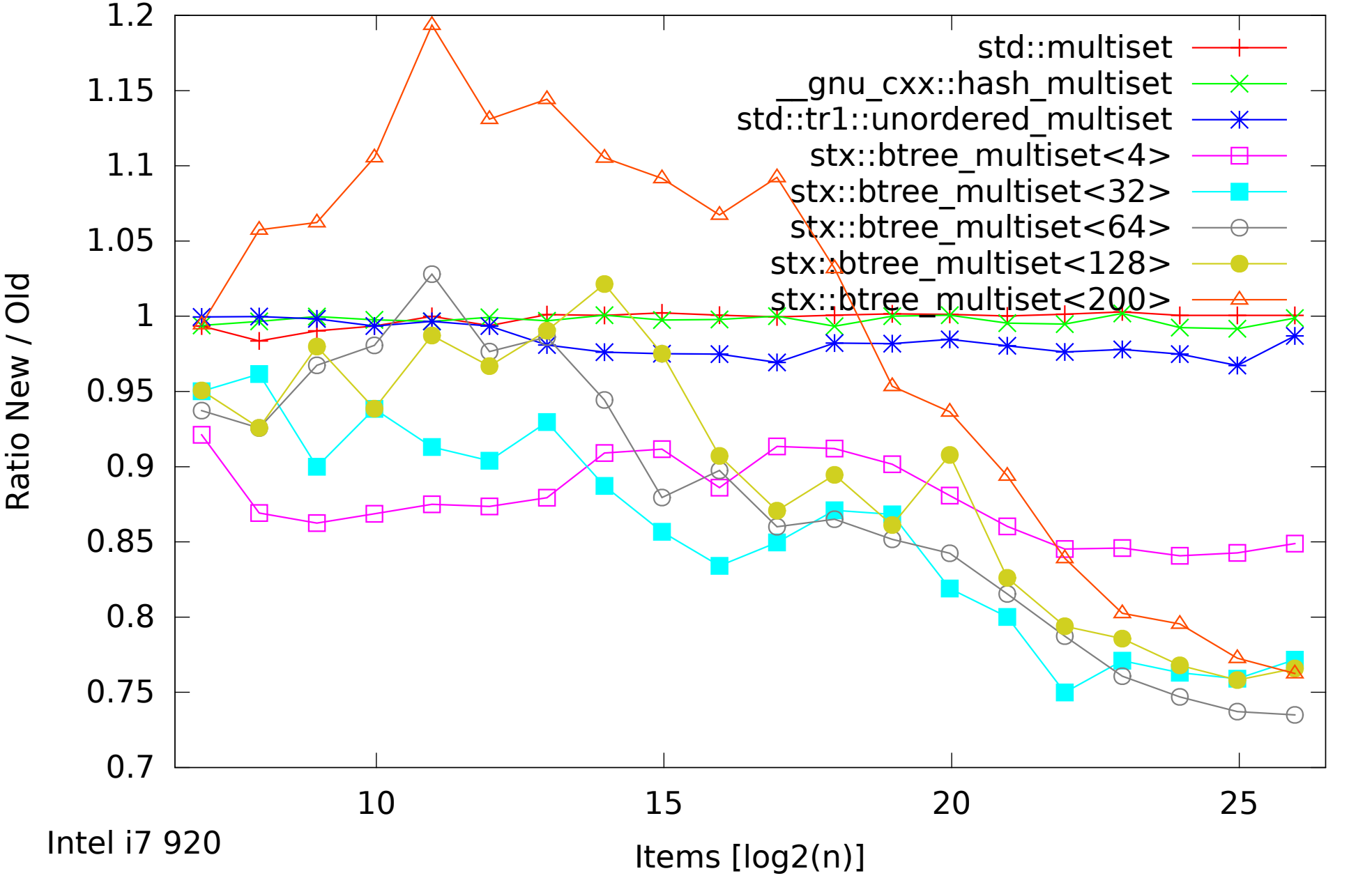

Speed Test - Ratio 0.8.6 / 0.9 - Sets Insert/Find/Erase (125-65536000 Items)
Ratio Old / New
Items [log2(n)]
Intel i7 920
1.3
1.25
1.2
1.15
1.1
1.05
1
0.95
0.9
0.85
10
15
20
25
std::multiset
__gnu_cxx::hash_multiset
std::tr1::unordered_multiset
stx::btree_multiset<4>
stx::btree_multiset<32>
stx::btree_multiset<64>
stx::btree_multiset<128>
stx::btree_multiset<200>


Speed Test - Ratio 0.9 / 0.8.6 - Sets Insert/Find/Erase (125-65536000 Items)
Ratio New / Old
1.15
1.1
1.05
1
0.95
0.9
0.85
0.8
0.75
10
15
20
25
Items [log2(n)]
Intel i7 920
std::multiset
__gnu_cxx::hash_multiset
std::tr1::unordered_multiset
stx::btree_multiset<4>
stx::btree_multiset<32>
stx::btree_multiset<64>
stx::btree_multiset<128>
stx::btree_multiset<200>


Speed Test Multiset - Normalized Time - Find Only (125-65536000 Items)
std::multiset
__gnu_cxx::hash_multiset
std::tr1::unordered_multiset
stx::btree_multiset<4>
stx::btree_multiset<32>
stx::btree_multiset<64>
stx::btree_multiset<128>
stx::btree_multiset<200>
Microseconds / Insert
Items [log2(n)]
Intel i7 920
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
10
15
20
25


Speed Test Multiset - Normalized Time - Find Only (125-65536000 Items)
std::multiset
__gnu_cxx::hash_multiset
std::tr1::unordered_multiset
stx::btree_multiset<4>
stx::btree_multiset<32>
stx::btree_multiset<64>
stx::btree_multiset<128>
stx::btree_multiset<200>
Microseconds / Insert
Items [log2(n)]
Intel i7 920
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
10
15
20
25


Speed Test - Ratio 0.8.6 / 0.9 - Sets Find Only (125-65536000 Items)
std::multiset
__gnu_cxx::hash_multiset
std::tr1::unordered_multiset
stx::btree_multiset<4>
stx::btree_multiset<32>
stx::btree_multiset<64>
stx::btree_multiset<128>
stx::btree_multiset<200>
Ratio Old / New
1.4
1.3
1.2
1.1
1
0.9
0.8
10
15
20
25
Items [log2(n)]
Intel i7 920


Speed Test - Ratio 0.9 / 0.8.6 - Sets Find Only (125-65536000 Items)
Ratio New / Old
Items [log2(n)]
Intel i7 920
std::multiset
__gnu_cxx::hash_multiset
std::tr1::unordered_multiset
stx::btree_multiset<4>
stx::btree_multiset<32>
stx::btree_multiset<64>
stx::btree_multiset<128>
stx::btree_multiset<200>
1.2
1.15
1.1
1.05
1
0.95
0.9
0.85
0.8
0.75
0.7
10
15
20
25