Number of triangles: 2n−2−b, b points on convex hull
Number of segments: 3n-3-b

Windows 11 - Intel i7-10700 CPU @ 2.90GHz

Starting 1,000,000 point test
Scale: 50,000
Sorting
Processing points
Elapsed time: 7769 ms
Segments: 2,999,960
Triangles: 1,999,961
Convex hull: 37 points
Parabola intersections: 67,853,023
Circle tests: 6999916
BF insert comparisons: 9,767,961
BF delete comparisons: 22,158,559
Priority queue records created: 3,604,264
Max BF count: 1831
Max BF depth: 13
Max PQ count: 1021
Max PQ depth: 13

Without tree structure:
 BF insert comparisons:
  (average size of BF = 900)
 1,000,000 * 900 = 900,000,000

─────────────────────────

Starting 500,000 point test
Scale: 50,000
Sorting
Processing points
Elapsed time: 3661 ms
Segments: 1,499,967
Triangles: 999,968
Convex hull: 30 points
Parabola intersections: 32,491,067
Circle tests: 3,499,929
BF insert comparisons: 4,645,138
BF delete comparisons: 10,600,406
Priority queue records created: 1,802,356
Max BF count: 1346
Max BF depth: 13
Max PQ count: 750
Max PQ depth: 12

─────────────────────────

Starting 250,000 point test
Scale: 50,000
Sorting
Processing points
Elapsed time: 1702 ms
Segments: 749,965
Triangles: 499,966
Convex hull: 32 points
Parabola intersections: 15,506,032
Circle tests: 1,749,923
BF insert comparisons: 2,199,385
BF delete comparisons: 5,053,641
Priority queue records created: 900,743
Max BF count: 976
Max BF depth: 12
Max PQ count: 549
Max PQ depth: 11

Raspberry Pi 3B+ (14 times slower than Intel i7-10700)

Starting 40,000 point test
Scale: 50,000
Sorting
Processing points
Elapsed time: 3920 ms
Segments: 119,970
Triangles: 79,971
Convex hull: 27 points
Parabola intersections: 2,167,851
Circle tests: 279,933
BF insert comparisons: 299,800
BF delete comparisons: 704,135
Priority queue records created: 143,826
Max BF count: 422
Max BF depth: 11
Max PQ count: 235
Max PQ depth: 10

_____

Starting 20,000 point test
Scale: 50,000
Sorting
Processing points
Elapsed time: 1897 ms
Segments: 59,964
Triangles: 39,965
Convex hull: 33 points
Parabola intersections: 1,037,163
Circle tests: 139,921
BF insert comparisons: 142,191
BF delete comparisons: 336,399
Priority queue records created: 71,763
Max BF count: 310
Max BF depth: 10
Max PQ count: 171
Max PQ depth: 9

_____

Starting 10,000 point test
Scale: 50,000
Sorting
Processing points
Elapsed time: 920 ms
Segments: 29,976
Triangles: 19,977
Convex hull: 21 points
Parabola intersections: 486,920
Circle tests: 69,943
BF insert comparisons: 66,012
BF delete comparisons: 157,462
Priority queue records created: 35,800
Max BF count: 233
Max BF depth: 10
Max PQ count: 129
Max PQ depth: 9