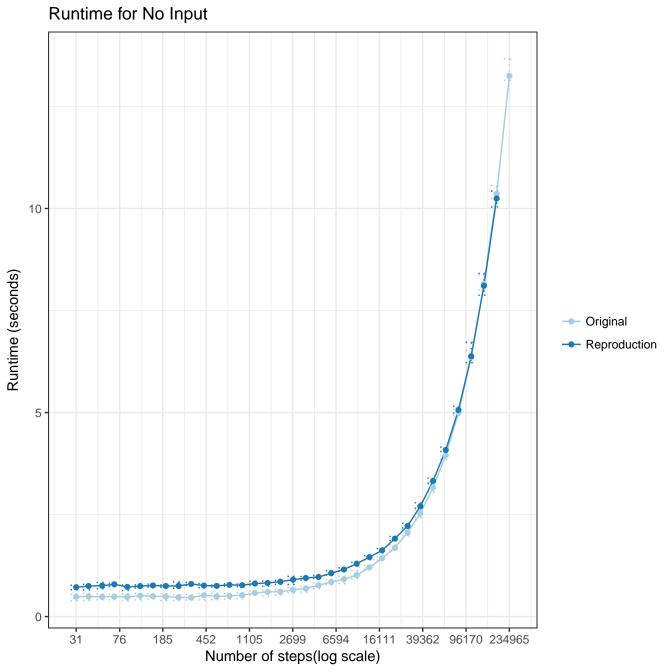
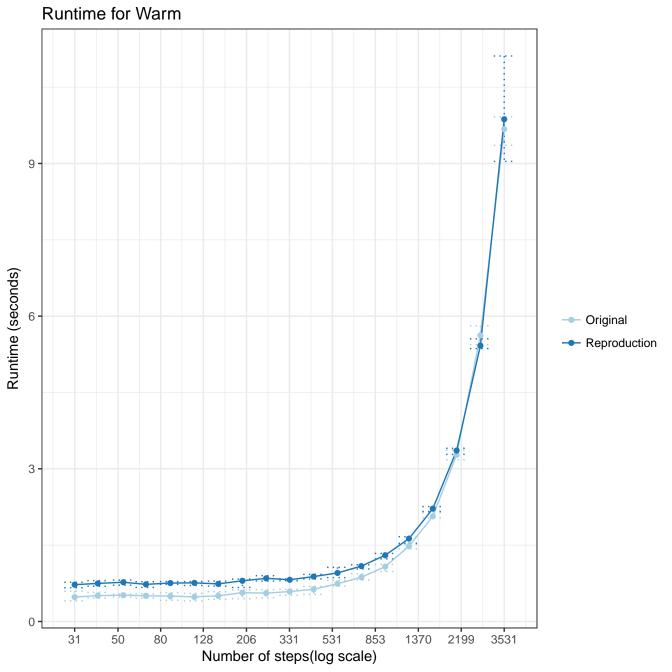


Runtime for Hylaa 12.5 10.0 Runtime (seconds) 7.5 -- Original -- Reproduction 5.0 -2.5 0.0 31 66 142 305 654 1401 3001 6431 13782 29532 63282 Number of steps(log scale)





Differences between Replication With and Without the Tool 100% 90% 80% 70% 60% - Basic Difference (%) 50% - Decomp - Hylaa 40% - No Input - Warm 30% 20% 10% 0% -10% 1516 5137 17411 39 132 447 59010 200000 Number of steps(log scale)

Relative differences between replications 100% 90% 80% 70% 60% - Basic Difference (%) 50% - Decomp - Hylaa 40% - No Input - Warm 30% 20% 10% 0% -10% · 2 3 5 10 11 12 0 1 Runtime without the tool (s)