

Optimisation

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In this project, we have optimised the code with removing expensive math computations as well as applying third law of Newtons to the code. The result shows that for the small number of particles these changes do not decrease the run time. However, as the number of particles increase, $p=2916$ the optimisation takes a role.

time	#N = 108	#N = 2916
Serial	5.346	231.256
Math Optimisation	7.271	228.802
Newton ' s law	5.416	220.112

