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CSCI5576 – High Perf Sci Computing

Due: 2011-4-04

**Project Checkpoint – Parallel Zip Archive Password Recovery (P-ZAPR)**

*Rodney Beede*

I’ve written the framework code that handles arguments and calls methods for getting the range of passwords for each process. This has enabled my group members to write their code in separate cpp files. This allows testing of the brute force or dictionary code even when all parts haven’t been completed yet.

I’ve devised an algorithm for the brute force method that can determine the maximum number of possible passwords and divide it into a range for each process. In addition the algorithm can take an arbitrary password position in the range and factor it into an actual string password. I suspect that for actually iterating through the range this amount of factoring will be too slow so I will look into writing code to do a simple character increment on the current password string instead.

*Neelam Agrawal*

Todo

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TODO