

Adam Wright

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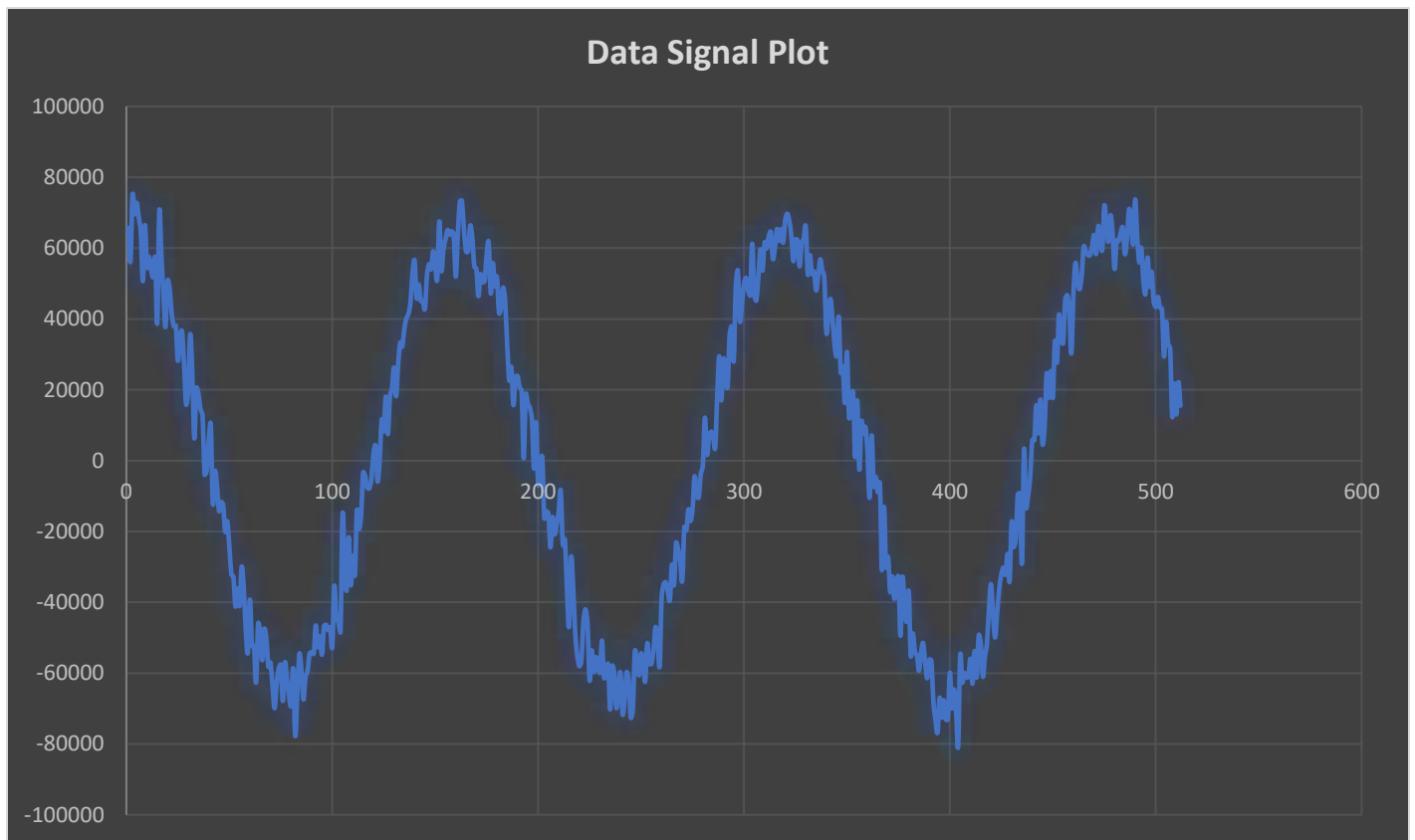
CS-475

Project 7b – written commentary

1. What machine did you run the test on?

I got the best results for OMP and SIMD on the Rabbit server and the best result for OpenCL on the DGX server, so the chart will contain all four tests run on Rabbit and an OpenCL result from DGX.

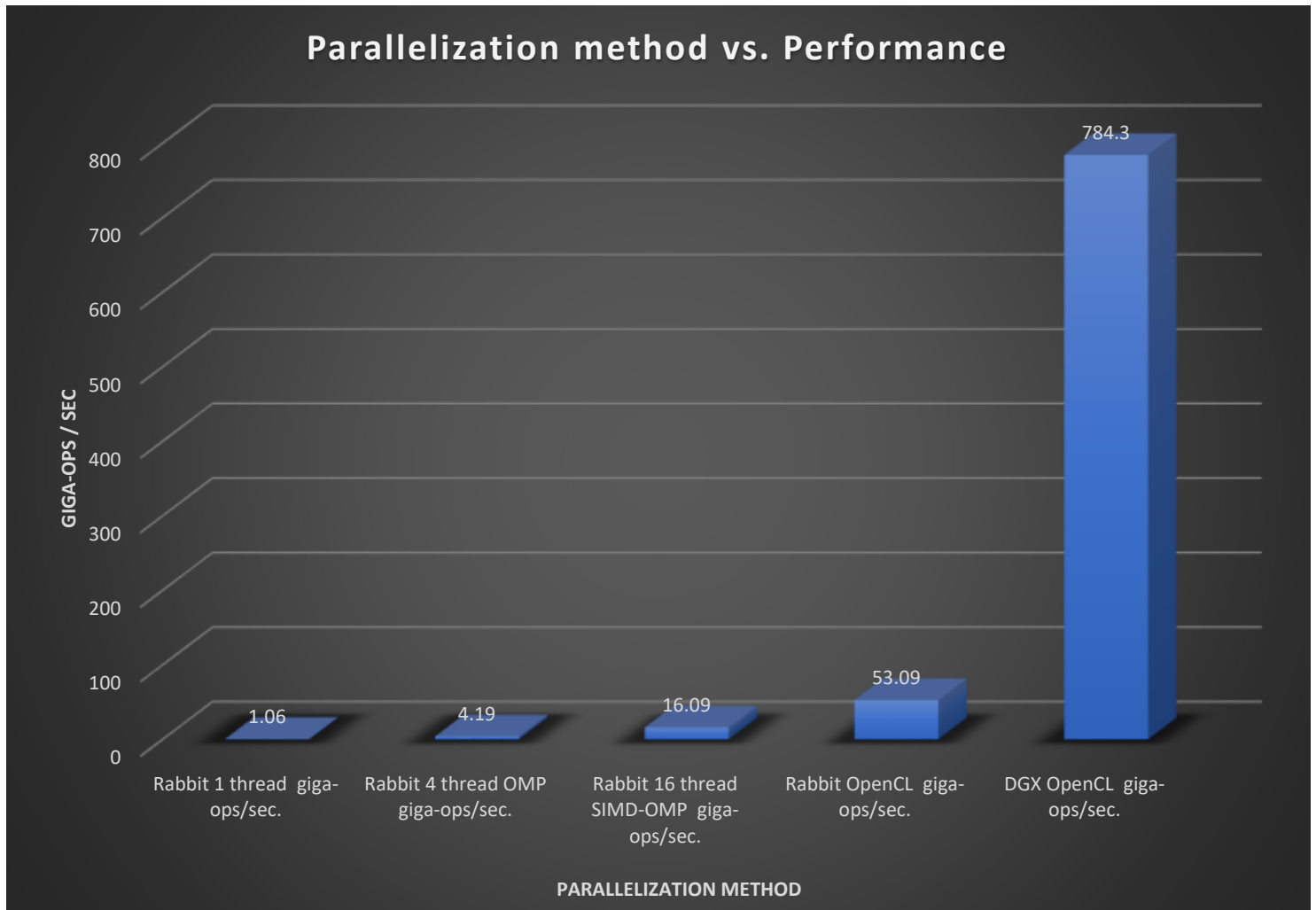
2. Show the sums[1] ... sums[512] scatterplot.



3. State what the hidden sine-wave period is, i.e. at what multiples of shift are you seeing maxima in the graph?

The period is roughly 160 samples between peaks. The graph shows peaks around sample 0, 160, 320, and 480.

4. What patterns are you seeing in the performance bar chart? Which of the four tests is the fastest?  
By a little, or by a lot?



The OpenCL performance on the DGX server is far and away the highest performer. The DGX performance on the Rabbit server is still many times greater than the other options. I am unsure why the performance of the