

Rough/General Rubric for Marking of Assignment 1 (Digital Signal Processing with the Java Fork/Join framework)	Mark
Introduction/ background information on topic	5
Discussion and technical detail on the parallelization approach for both correlation and finding the maximum. Are the approach and classes clearly explained? Is it suitable for the Java 7 fork/join framework? How was the code checked/validated for correctness? How was it shown that the code was correct? Was timing explained and done correctly? Are any improvements/optimizations made to improve the runtime explained clearly?	10
Was the performance of the algorithms clearly and scientifically documented? Were they compared against a serial algorithm? Are there graphs of the run time and speedup shown? Are the graphs/results clearly discussed and explained? Are suitable sequential limits well established/explained? Were different parameters tested (e.g. different algorithms, different sizes of file, different numbers of processes/processors, different sequential limits)? Is it clear what works well in parallel and what doesn't?	20
Going the extra mile - excellence/thoroughness/extra work - e.g. visualizations, depth of analysis, different hardware etc.	10
Conclusions	5
Total	50

*Notes: submitted code that does not run or does not pass standard test cases (not given) will incur a -50 mark penalty at minimum. Any plagiarism will get a mark of 0 and be submitted to the university court.*

*-50*