

SCICOMP
Weekly Report

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- Methods with complexities bigger than $O(n^2)$ like some methods of weka.core.matrix package were indicated and ways of parallelizing of these methods were searched.
- Decomposition classes like QRDecomposition, LUDecomposition, CholeskyDecomposition, EigenvalueDecomposition and SingularValueDecomposition were investigated and some parallelization techniques from mpiJava www.hpjava.org are found to be applicable for our weka.core.matrix package.
- Cholesky Decomposition parallelization technique was researched in detail and CholeskyDecomposition method of weka.core.matrix package was begun to be parallelized.