LU Decomposition using GSL Libraries Relative error N=10 Relative error N=100 -2 Relative error N=1000 -2.5 -3 -3.5 $log_{10}(|X_i-u_i|/u_i)$ -4 -4.5 -5 -5.5 -6 -6.5 0.1 0.2 0.3 0.7 0.4 0.5 0.6 8.0 0.9 0

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