Plot of error per iteration for 1024 by 1024 symmetric matrix with initial guess x = [v1, v2... lambda] 2^6 2^0 Absolute error $\lambda_i \cdot \lambda_j \cdot \lambda$ 2^{-18} 2-24 Algorithm1 (NewtonMethod) Algorithm2 (BroydenMethod with Jacobean matrix) Algorithm3 (Good BroydenMethod with Jacobean matrix) 300 0 100 200 400 500 600

of iteration