Eigenvalues ordered from smallest to largest

 $10^{-1}$ 

 $10^{-4}$ 

 $10^{-7}$ 

 $10^{-10}$ 

 $10^{-13}$ 

 $10^{-16}$ 

 $10^{-1}$ 

 $10^{-4}$ 

 $10^{-7}$ 

 $10^{-10}$ 

 $10^{-13}$ 

 $10^{-16}$ 

Error in eigenvalues w.r.t. Arpack's solution with error tolerance of 1e-14