Figure 1: Convergence for both MIRES and GMRES

Problem 0: Homework checklist

✓I didn't talk with any one about this homework.
✓Source-code are included at the end of this document.

Problem 1:

1. The convergence plots are shown in Figure **??**.

2. If we use a *ichol* incomplete Cholesky preconditioner it will take 319 iterations to converge. MINRES doesn't benefit from and incomplete Cholesky
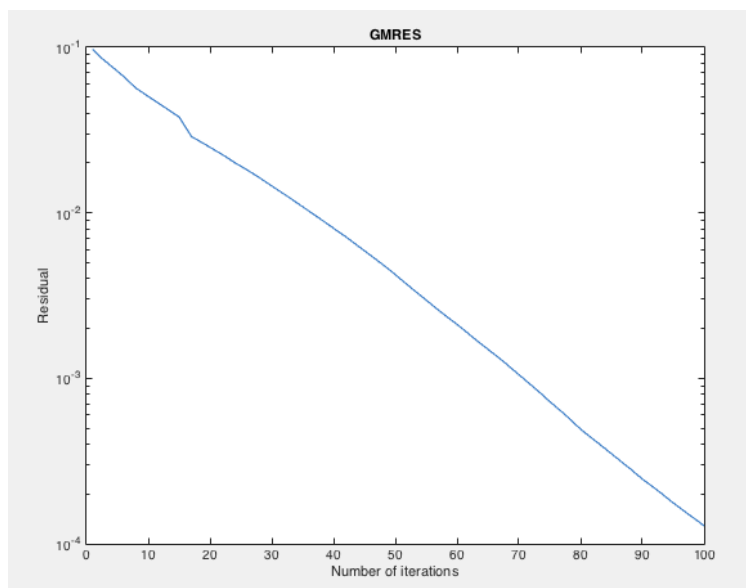
Figure 2: GMRES with *ichol*

preconditioner. Figure **??** shows the convergence of GMRES with incomplete Cholesky preconditioner.