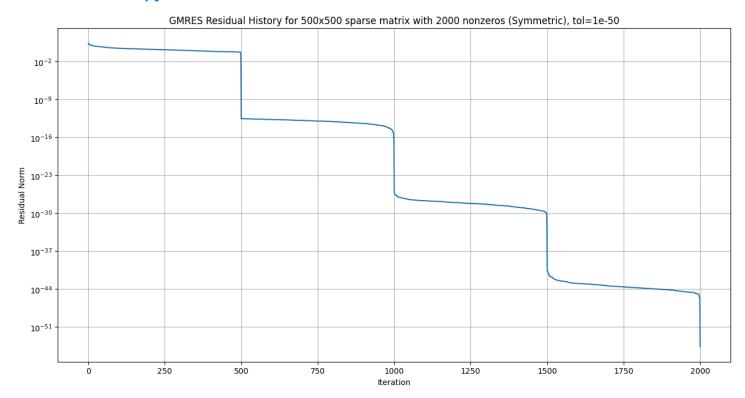
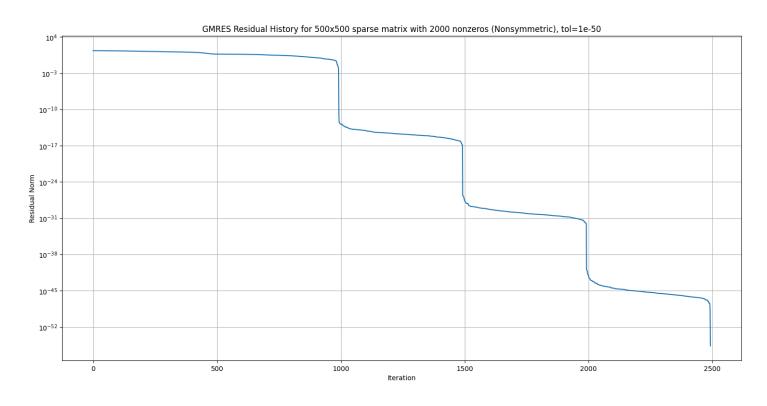
homework 20241205

陈皓阳 23307130004@m.fudan.edu.cn

第一题

代码文件 GMRES.py





 3. f(MKH) € (1-K-1)f(MK) <=> fink+)-fink =- K-1. fink) finery-fine-fine-fine = (nx+dxpx)A(nx+dxpx)-2b(nx+dxpx) @ NXANK+ 26TAK = 2 NotAdepx + dx = px Apx - 26 tokpx 4) b= MARKEN = 2 DEAKEPE+ CRPRTSPE- 2 TRAKPR-2 TORAKPE. = 2x prope-22 dx px - dx= Tx /x /x = (nxTnx)2 ATA PR-12 AGA W (NATAKE & K-fine) form = [a-cb-rx] A[A-cb-rx)-26[A-cb-rx)] = 6746-2674-1x+2747x-2676-16+26747x = nJAh-bAb< nJAh. ABZ > A LEGI. 不等大(5)(ATD) = K+ retATX = K+frax). (=) KT = (NA/K) (NA/K) (=> man retar man retor = fat 4312. 此多由 NAIL= max ATAN 可行。

第四题

代码文件 SD.py

A special linear equations, with Steepest Descent Iteration 10 times

