

Numerical Linear Algebra with Applications S25
HW 1
Due Jan 23

0. How much RAM does your computer have?

1. 4.7

2. 4.13

3. 4.21

4. 4.22

5. 4.27(a)-(c)

Not a hint (for problem 5): The MATLAB command `eig(A)` will compute all of the eigenvalues for $\mathbf{A}$. Feel free to use this if you want to know what the answers are, but you can not use this command or anything you learn from it as an answer to the given questions.

What to turn in for MATLAB questions 4.7(d), 4.27(a-c): A copy of your code must be included, along with a printed copy of the command window. In all cases, when printed output is requested, make sure the answers are clearly labeled (and only the output for the final version of solution should be included). Failure to do this will result in a reduction in your HW grade for that problem. As a suggestion, use the Publish command (select the options: Output format=pdf, Code settings: include code=true, Evaluate code=true).