

MAD 6406: HOMEWORK 9

Due: Friday, November 6

Numbered problems are from Trefethen and Bau, Numerical Linear Algebra. Starred problems (*) require the use of Matlab (you can use another language if you prefer).

- (1) 19.1
- (2) 19.2
- (3) In double precision, what is the distance from 32 to the next largest floating-point number? What is the distance from 2^{53} to the next largest floating-point number?

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