

Engineering Analysis ENG 3420 Fall 2009

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Office: HEC 439 B

Office hours: Tu-Th 11:00-12:00

Lecture 6

- Last time:
 - Internal representations of numbers and characters in a computer.
 - Arrays in Matlab
 - Matlab program for solving a quadratic equation
- Today:
 - Roundoff and truncation errors
 - More on Matlab
- Next Time
 - More on approximations.

Accuracy versus Precision

- *Accuracy* → how closely a computed or measured value agrees with the true value,
 - *Precision* → how closely individual computed or measured values agree with each other.
- a) inaccurate and imprecise
b) accurate and imprecise
c) inaccurate and precise
d) accurate and precise

