randperm(n) //creates from 1 to n

randperm(n,1) //get 1 item form the random list

[rows, cols] = size(matrix)

funcHandle = @sin

sinA=funcHandle(A);

var = input(prompt);

[1 3 1 ] <= [2 1 1] = [1 0 1]

~, & , | are also element-wise

kind of errors

syntax--grammer,spelling

semantic--logic

debugging

incremental code

code tracing

use debugger

Order of accuracy

O(h) linear halve step size, halve error

O(h^2) quadratic halve step size, error is reduced by a factor of 4

O(h^3) cubic halve step size, error is reduced by a factor of 8\

Newton’s method



Simpson's Method

