circuitC solves for Vout of circuit C

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uses linsolve(A, b) to solve for the output voltage in circuit C
function [Vout] = circuitC(Vin, h, R2, R4, C1, C3)
steps = length(Vin);
% initialize variables
Vc1 = zeros(1, steps);
Vc3 = zeros(1, steps);
i1 = zeros(1, steps);
i2 = zeros(1, steps);
i3 = zeros(1, steps);
V1 = zeros(1, steps);
Vout = zeros(1, steps);
% A matrix
A = [1, -1, -1, 0, 0, 0; % i1 - i2 - i3 = 0]
     0, R2, 0, 0, -1,
                         0; % R2i2 - V1 = 0;
     0, 0, R4, 0, 0, -1; % R4i3 - Vout = 0
     0, 0, 0, 1, 0, 0; % Vin = Vin,k
     0, 0, 0, 1, -1,
                        0; % Vin - V1 = Vc1,k
     0, 0, 0, 0, 1, -1; % V1 - Vout = Vc3,k
% computes model for circuit C
for i = 1:steps
  b = [0;
       0;
       0;
       Vin(i);
       Vc1(i);
       Vc3(i)];
% x = [i1; 12; i3; Vin; V1; Vout];
  x = linsolve(A, b);
  i1(i) = x(1);
  i2(i) = x(2);
  i3(i) = x(3);
  V1(i) = x(5);
  Vout(i) = x(6);
  % Update equations for Vcl and Vc3 in circuit C
 Vc1(i+1) = Vc1(i) + (h/C1)*(i1(i));
  Vc3(i+1) = Vc3(i) + (h/C3)*(i3(i));
end
end
Not enough input arguments.
Error in circuitC (line 6)
steps = length(Vin);
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