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ENGINEERING MATHEMATICS.

Command Window

clear

clc

close all

[t, q] = ode45('titiddefun', [0, 40:1200], [0, 0, 0]); [t, q] = ode45('titiddefun', [0, 40:1200], [0, 0, 0])

figure(1)

subplot(3, 1, 1)

plot(t, q(:, 1), 'o-g')

xlabel('Time (min)')

ylabel('Volume (litre)')

legend('Tank 1')

grid on

subplot(3, 1, 2)

plot(t, q(:, 2), '*-b')

xlabel('Time (min)')

ylabel('Volume (litre)')

legend('Tank 2')

grid on

subplot(3, 1, 3)

plot(t, q(:, 3), '*-r')

xlabel('Time (min)')

ylabel('Volume (litre)')

legend('Tank 3')

grid on