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11/ENR02/066

COMPUTER ENGINEERING

Command window

clearvars

clc

format short g

Syms t kp td tp

$$V = kp * (1 - \exp(-((t - td) / tp)))$$

mdata = xlsread('1587203810derbesdata', 'data1');

t1 = mdata(:, 1);

v = mdata(:, 2);

v1 = round(mdata(:, 2), 1)

td = ones(length(v), 1)

t = [td t1]

[mcoeff, mcoeffint, mresid, mresidint, manova] = regress(v, t);

% mcoeff

% rsquaredvalue = mcoeff(1)

mcoeff

manova

kp = v1

td = mcoeff(1)

tp = mcoeff(2)

plot(t, v(:, 1));

grid on

grid minor

Beta0 = [td t1]

plot(t, Beta0)

Volume ( $m^3$ )

