

(c)

command window

clear

clc

syms x

syms y

x = (0:10);

$y = 0.0005 + 0.0005 * [x + (x.^2) + (x.^3) + (x.^4) + (x.^5) + (x.^6) + (x.^7)];$

plot (x, y)

grid on

grid minor

xlabel ('x')

ylabel ('Structural Deformation')