

$$y_1 = (x-1)^6$$

$$y_2 = x^6 - 6x^5 + 15x^4 - 20x^3 + 15x^2 - 6x + 1$$

$$t = 0.995:0.00001:1.005;$$

$$y_1 = (t-1).^6;$$

$$p = [1 \ -6 \ 15 \ -20 \ 15 \ -6 \ 1];$$

$$y_2 = \text{polyval}(p, t);$$

$$\text{plot}(t, y_1, 'r', t, y_2, 'b')$$