clear();

clc();

s = %s;

scf(0);

K = 1;

Omeg = 1;

zeta = 0.25;

P1 = syslin('c',K\*Omeg\*Omeg/(s\*s+2\*zeta\*Omeg\*s+Omeg\*Omeg));

zeta = 0.5;

P2 = syslin('c',K\*Omeg\*Omeg/(s\*s+2\*zeta\*Omeg\*s+Omeg\*Omeg));

zeta = 1;

P3 = syslin('c',K\*Omeg\*Omeg/(s\*s+2\*zeta\*Omeg\*s+Omeg\*Omeg));

nyquist([P1;P2;P3],%t);

xs2png(0, 'nyquist1.png')

Diagram

Description automatically generated