

Sep 04, 11 9:00

coar39.m

Page 1/1

```
% coar39.m bgrung 110829 from coar38.m bgrung 110826
clear; Program='coar39';
global G_PROG=Program;
global G_DEBUG;
global G_FID ;
addpath('._mat')
%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
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%% Basic Inputs:
IN.zl=+7.0372976777e+06;
IN.pl=-3.1415926536e+09;
IN.p2=-4.9964813512e+08;
IN.fi= 1.05e+08 ;
IN.T =1/IN.fi ;
D=1;
G_DEBUG=D;Sec_A = bg_Sec_A(IN); %% Continuous-time results.
G_DEBUG=D;Sec_B = bg_Sec_B(IN,Sec_A); %% Discrete-time calculation of a and b from r, p, k and e.
G_DEBUG=D;Sec_C = bg_Sec_C(Sec_B); %% Discrete-time calculation of A and B from R and P.
G_DEBUG=D;Sec_D = bg_Sec_D(Sec_B); %% Discrete-time calculation using [r,p,k,m] = bg_residuez(b,a);
G_DEBUG=D;Sec_E = bg_Sec_E(Sec_B,Sec_C); %% Discrete-time calculation using [B,A]=bg_residue(R,P,K,E,"Z_MODE");
G_DEBUG=D;Sec_F = bg_Sec_F(Sec_B); %% Discrete-time calculation using [b,a]=bg_residue(r,p,k,e,"Z_MODE");
G_DEBUG=D;Sec_G = bg_Sec_G(Sec_A); %% New test function for "bg_residue.m"
G_DEBUG=D;Sec_H = bg_Sec_H(Sec_B); %% New test function for "bg_residuez.m"
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exit
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```