**Resonante del lazo de corriente.**

Transfer function:

0.009816 z^2 - 0.009816

--------------------------------

z^2 - 2 z + 0.9998

Res=(0.009816 \*z^2 - 0.009816)/( z^2 - 2 \*z + 0.9998);

**[NUM,DEN] = tfdata(Gba,'v');**

NUM =

0.009816276801550 0 -0.009816276801550

DEM =

1.000000000000000 -1.999707303391827 0.999803674463969

**Resonantes del lazo de tensión**

**Resonante 1**

Dig1=c2d(Res1,1/32000,'tustin')

Transfer function:

0.001374 z^2 - 0.001374

-----------------------

z^2 - 2 z + 0.9999

Sampling time: 3.125e-005

>> [NUM,DEN] = tfdata(Dig1,'v')

NUM =

0.00137434620703 0 -0.00137434620703

DEN =

1.00000000000000 -1.99980545661138 0.99990183241378

**Resonante 3**

Dig3=c2d(Res3,1/32000,'tustin')

Transfer function:

0.001767 z^2 - 0.001767

-----------------------

z^2 - 1.999 z + 0.9997

Sampling time: 3.125e-005

>> [NUM,DEN] = tfdata(Dig3,'v')

NUM =

0.00176650264238 0 -0.00176650264238

DEN =

1.00000000000000 -1.99883845293609 0.99970558289294

**Resonante 5**

Dig5=c2d(Res5,1/32000,'tustin')

Transfer function:

0.001962 z^2 - 0.001962

-----------------------

z^2 - 1.997 z + 0.9995

Sampling time: 3.125e-005

>> [NUM,DEN] = tfdata(Dig5,'v')

NUM =

0.00196183210882 0 -0.00196183210882

DEN =

1.00000000000000 -1.99710201176160 0.99950954197279

**Resonante 7**

Dig7=c2d(Res7,1/32000,'tustin')

Transfer function:

0.002059 z^2 - 0.002059

-----------------------

z^2 - 1.995 z + 0.9993

Sampling time: 3.125e-005

>> [NUM,DEN] = tfdata(Dig7,'v')

NUM =

0.00205853235460 0 -0.00205853235460

DEN =

1.00000000000000 -1.99459825058423 0.99931382254847

**Resonante 9**

Dig9=c2d(Res9,1/32000,'tustin')

Transfer function:

0.001763 z^2 - 0.001763

-----------------------

z^2 - 1.991 z + 0.9991

Sampling time: 3.125e-005

>> [NUM,DEN] = tfdata(Dig9,'v')

NUM =

0.00176292623444 0 -0.00176292623444

DEN =

1.00000000000000 -1.99133016735742 0.99911853688278

**Resonante 11**

Dig11=c2d(Res11,1/32000,'tustin')

Transfer function:

0.001076 z^2 - 0.001076

-----------------------

z^2 - 1.987 z + 0.9989

Sampling time: 3.125e-005

>> [NUM,DEN] = tfdata(Dig11,'v')

NUM =

0.00107620360724 0 -0.00107620360724

DEN =

1.00000000000000 -1.98730163176491 0.99892379639276