```
syms s zrdot

A=[(mu*s^2+(bs+bt)*s+ks+kt), -(ks+bs*s); -(ks+bs*s), (ms*s^2+ks+bs*s)];

B=[(kt/s+bt)*zrdot;0];

C=A\B;

zs=C(1);

G=zs/zrdot;

G=collect(G,s);

[num,den]=numden(G);

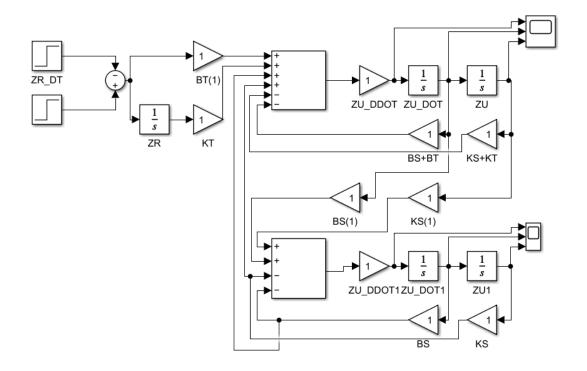
num=sym2poly(num);den=sym2poly(den);

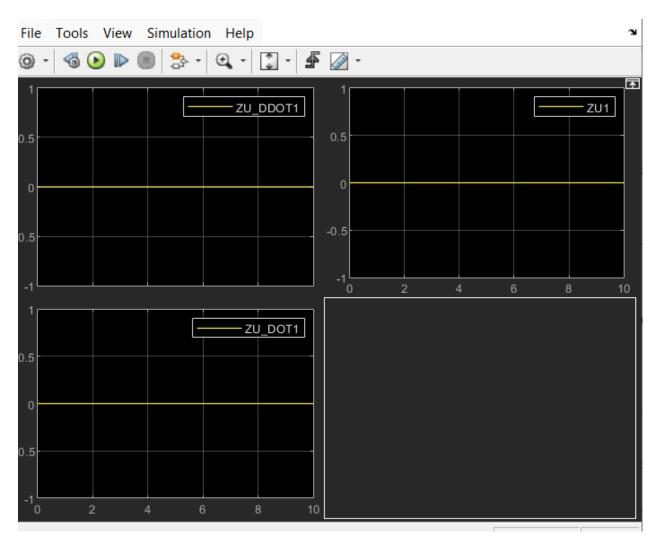
num=num/den(1); %dividing by den(1) means dividing by the leading coefficient of denominator i.e., 20 in this case.

Done to match the outputs.

den=den/den(1);

G=tf(num,den)
```





-----<(SIMSCAPE)>-----

