

```
1 % Circuit RLC série
2 clear
3 clc
4 close all
5 L=2;
6 C=2e-8;
7 f=0:1000;
8 w=2*pi*f;
9 figure(1)
10 hold on
11 for R=400:200:1000
12 Z=R+1./(1i*C*w)+1i*L*w;
13 plot(f,abs(1./Z),strcat("R=",num2str(R)," ohms"));
14 end
15 grid
16 legend("Location","northwest");
17 xlabel('Fréquence (Hz)')
18 ylabel('Admittance (mho)')
19
20
```

```
# C
# L
# R
[1x1001] Z
[1x1001] f
[1x1001] w
```

