exp6.sci ✕

```
1  clc;
2  clear all;
3  close;
4  Eb=input('Enter the energy per bit in joules:');
5  Nol=input('Enter the PSD of noise in microwatts/hz:');
6  No=Nol*2;
7  M=input("Enter the number of symbols:");
8  x=0:0.001:(Eb/No);
9  Pe_Marypsk=erfc(sqrt(x).*sind(180/M));
10 plot(x,Pe_Marypsk);
11 xlabel('Signal to noise ratio');
12 ylabel('Probability of error Pe');
13 legend('Pe_Marypsk');
14 |
```

Scilab 6.1.1 Console   ? ⤢ ✕

```
Enter the energy per bit in joules:100

Enter the PSD of noise in microwatts/hz:20

Enter the number of symbols:16


-->
```

Graphic window number 0   ?