



>> kmax=10;

>> Tk=0.5;

>> dF=0.2;

>> T0=Tk/2;

>> A=1;

>> Fmax=kmax\*1/T0;

>> T=1/dF;

>> Ts=1/(2\*Fmax);

>> t=0:Ts:(T-Ts);

>> x=abs(A\*sin(2\*pi\*t/T0));

>> y=fft(x);

>> f=(-1/(2\*Ts)):dF:1/(2\*Ts)-dF;

>> yy=fftshift(y);

>> xx=abs(yy);

>> figure(1);

>> t1=0:Ts:T/4;

>> x1=abs(A\*sin(2\*pi\*t1/T0));

>> plot(t1,x1);

>> figure(2);plot(f,xx);

>>