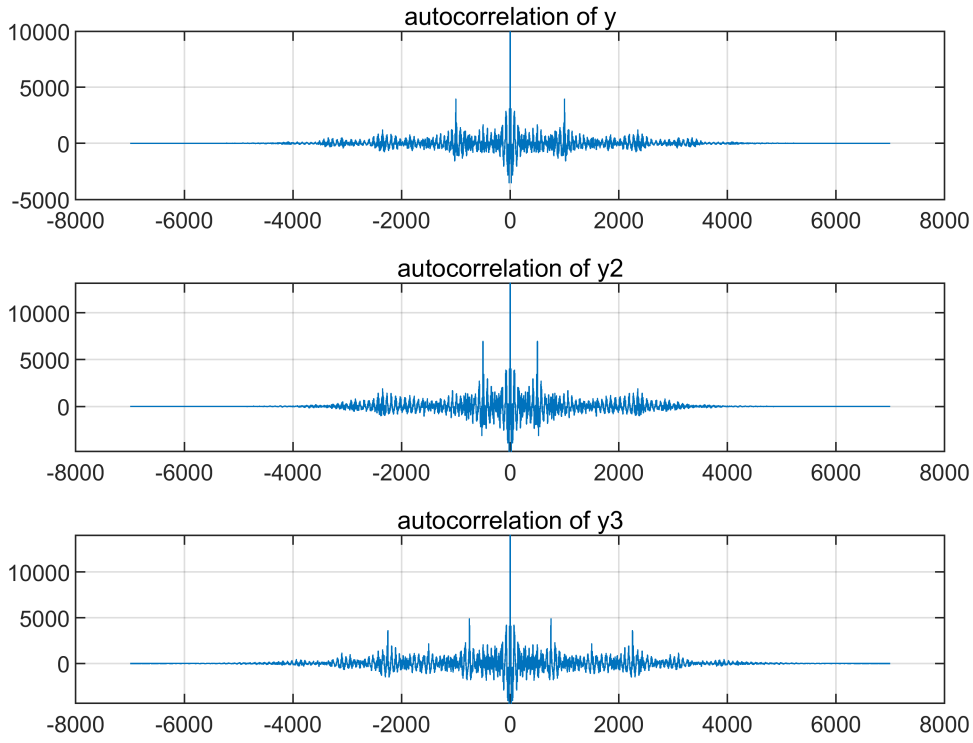
```
%   Rxx=conv(x,fliplr(x)):Ryy=conv(Rxx,((1+alpha*alpha)*dirac[n]+alpha*dirac[n-N]+alpha*dirac[n
Ryy=conv(y,flipud(y));
subplot(3,1,1);plot(-6999:6999,Ryy);grid on;title('autocorrelation of y')

Ryy2=conv(y2,flipud(y2));
subplot(3,1,2);plot(-6999:6999,Ryy2);grid on;title('autocorrelation of y2')
%由图像可知，N=501
%根据把 alpha 在[0,1]之间取值再不断去对比两个声音的差别，测得 alpha=0.80 最符合 y2
%N=501,a=0.8

Ryy3=conv(y3,flipud(y3));
subplot(3,1,3);plot(-6999:6999,Ryy3);grid on;title('autocorrelation of y3')
```




```
%Ryy3=conv(Rxx,((1+alpha1*alpha1+alpha2*alpha2)*dirac[n]+alpha1*dirac[n-N1]+alpha1*dirac[n+N1]+
%由图像和表达式可知 N1=751,N2=2252
%根据把 alpha1，alpha2 在[0,1]之间取值再不断去对比两个声音的差别，测得 alpha1=0.75,alpha2=0.60 最符合 y
%alpha1=0.75,N1=751,alpha2=0.60,N2=2252
```