task1_3

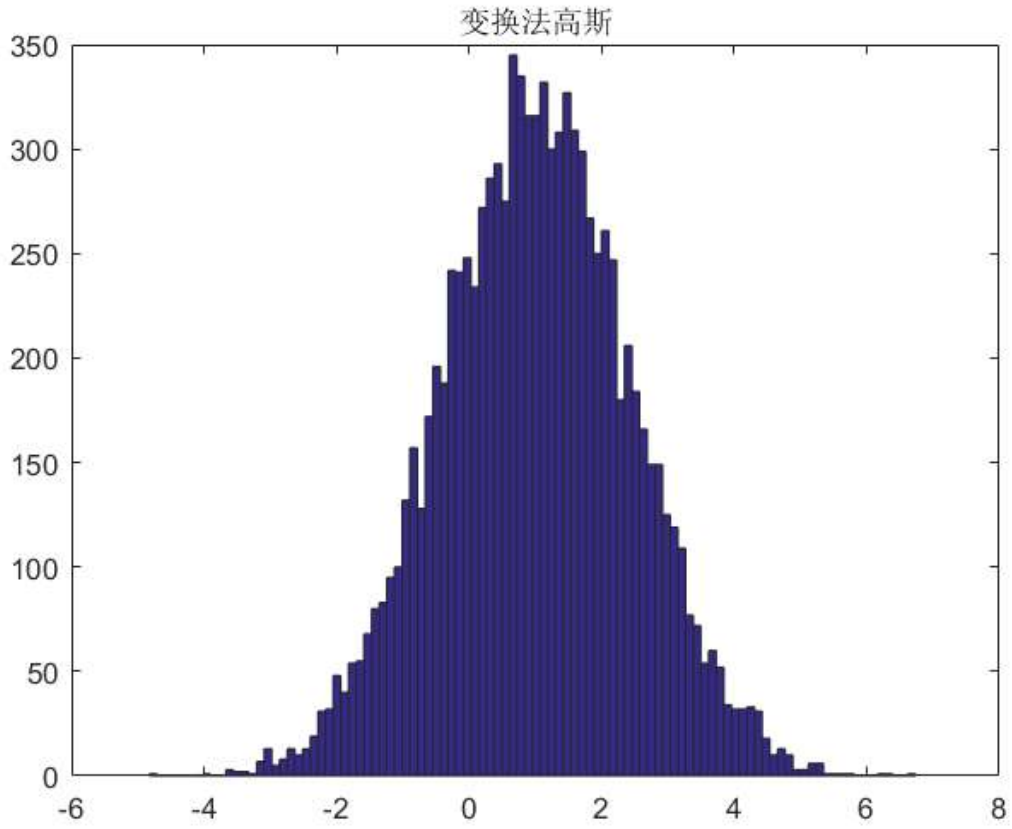
Contents

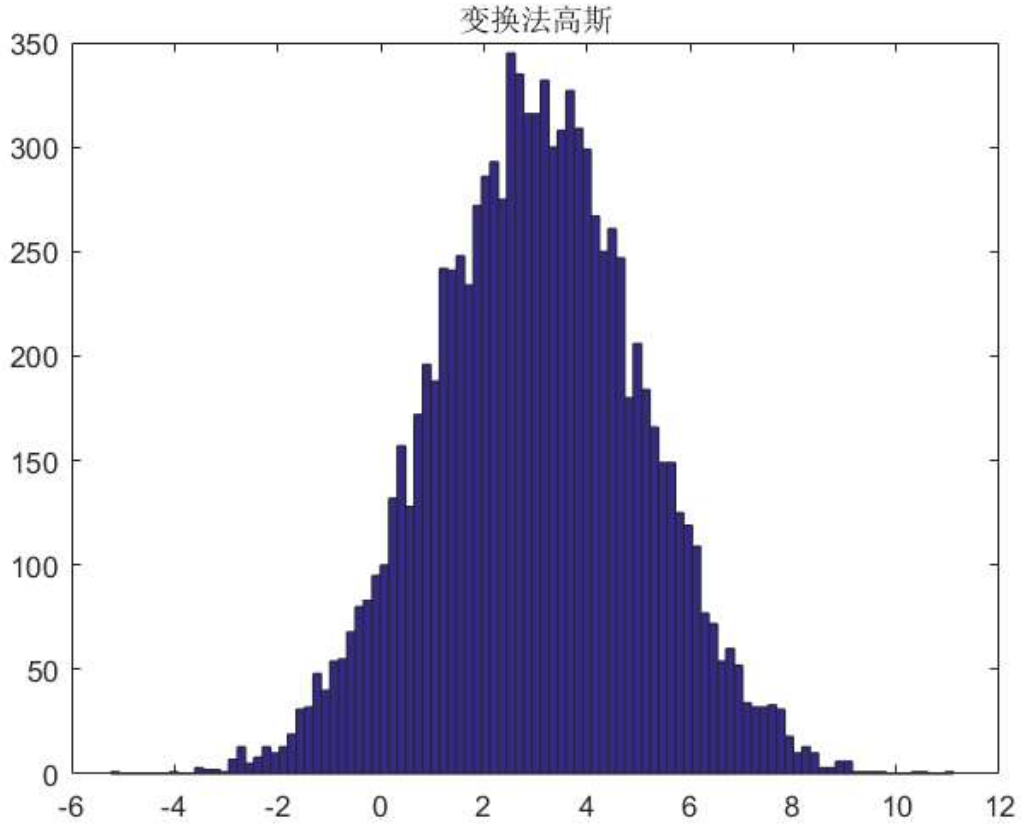
配置环境

```
clear all;
close all;
clc;
```

产生**N(1,2),N(3,4)**

```
y1=rnd2(1,sqrt(2),10000);
y2=rnd2(3,2,10000);
```



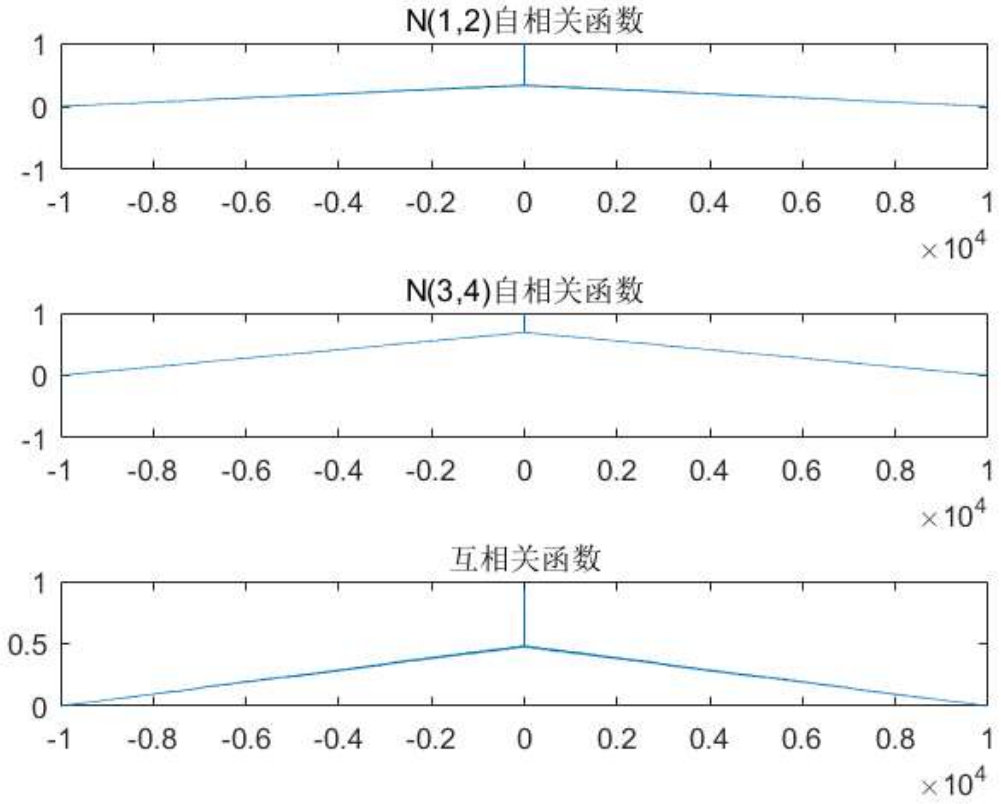


统计量

```
zxg1 = zeros(1,10000);
zxg2 = zeros(1,10000);
hxg = zeros(1,10000);

[zxg1,n1]=ycorr(y1,y1,'coeff');
[zxg2,n2]=ycorr(y2,y2,'coeff');
[hxg,n3]=xcorr(y1,y2,'coeff');

subplot(311);plot(n1,zxg1)
title('N(1,2)自相关函数');
subplot(312);plot(n2,zxg2)
title('N(3,4)自相关函数');
subplot(313);plot(n3,hxg)
title('互相关函数');
```



Published with MATLAB® R2016a