参考答案

1. 1053；0.9962；（0. 3282 0. 2493 0. 2500）； 0.08947

2. 0.5773 0.5965

3. 是，P2>=1800，0.8

4. (-1.143 2.857) (-1.100 2.808)

5. 0.4588, 0.9419, 10927

6． 根的个数：1; 2.2290

x=0:0.1:10;

for k=1:length(x)

z(k)=quad('cos(exp(3./(x+1))).\*sin(2\*x)',0,x(k));

end

plot(x,z); hold on; plot(x,0.36,’r’);

xx=2;

for k=1:8

ff=quad('cos(exp(3./(x+1))).\*sin(2\*x)',0,xx(k))-0.36;

fd=cos(exp(3./(xx(k)+1))).\*sin(2\*xx(k));

xx(k+1)=xx(s,k)-ff/fd;

end

1. (1.6695, 1.79249)；（171.98，183.22）

X1 = 86.6372 + 0.5255\*X2 （ X1= 61.5733 + 0.6280\*X2）

总=556.4, 回=183.6, R2=0.33, F=3.94, P=0.0824（rt=664.9; rr=445.5;） **0.196\***

n=1000000; sx=8; sy=8; rho=0.6;

e\_x=173; e\_y=176; x1=175; y1=175; z=0; m=0;

ww=5; a1=x1-ww; a2=x1+ww; b1=y1-ww; b2=y1+ww;

y=unifrnd(b1,b2,1,n); x=unifrnd(a1,a2,1,n);

for i=1: n

if (x(i)-x1)^2+(y(i)-y1)^2<=ww^2

t1=(x(i)-e\_x)^2/sx^2; t2=(y(i)-e\_y)^2/sy^2;

t3=2\*rho\*(x(i)-e\_x)\*(y(i)-e\_y)/(sx\*sy);

u=exp(-1/(2\*(1-rho^2))\*(t1+t2-t3)); z=z+u; m=m+1;

end

end

P=4\*ww\*ww\*z/(2\*pi\*sx\*sy\*sqrt(1-rho\*rho)\*n)