rectangle('position',[x-30,y-30,60,60],'curvature',[1,1],'edgecolor','r');%%画圆

[max\_S,index]=min(S,[],2);%% 找矩阵S每行的最大值

xlswrite('filename', data)%%导出到excel

AT=D(1:20,[12,14,16,21,22,23,24,28,29,30,38,48,62])

B=[1;2;5;7;20]

F=[39;61;28;29;38;92]

for i=1:length(B)

x=NA(B(i),2);

y=NA(B(i),3);

plot(x,y, 'ro','MarkerFaceColor','r')

hold on

end%%最忙平台

for i=1:length(F)

x=NA(F(i),2);

y=NA(F(i),3);

plot(x,y, 'bo','MarkerFaceColor','b')

hold on

end%%%最远结点

F=[391

524

263

200

523

287

301

316

317

199

515

513

29

208

578

253

206

388

575

420

202

239

574

510

264

207

541

331

371

418

332

370

389

362

419

390

329

330

387]

for i=1:length(F)

x=NA(F(i),2);

y=NA(F(i),3);

plot(x,y, 'bo','MarkerFaceColor','b') %%画实心圆点

hold on

end%%%最远结点

F=[391

387

541

362]

for i=1:length(F)

x=NA(F(i),2);

y=NA(F(i),3);

plot(x,y, 'bo','MarkerFaceColor','b')

hold on

end%%%最远结点

for m=1:92

m

for n=1:92

for o=1:92

for q=1:92

PA(21)=q;

PA(22)=o;

PA(23)=n;

PA(24)=m;

S=D(:,PA);

[min\_S,index]=min(S,[],2);

A=[index,NA(:,4)];

A1 = A(:,1);

A2 = A(:,2);

B1 = unique(A1);

B2 = arrayfun(@(a)sum(A2(A1==a)),B1);

if max(min\_S)<=30;

max(B2)<=30;

return

else PA=[1:20];

end

end

end

end

end

f=(2400-125\*t/49)^2\*157^2+1.633^2\*t^2+2\*57\*1.633\*t+1700/t^2-7500,500

r=1:90;

f(x,y)=2893247/t^2+1.633+193800\*cos(r)/t-185.82sin(r)/t\*2400+185.82sin(r)\*7500/2940=7500

灰色预测

clc;

clear;

syms a b;

c=[a b]';

A=[1.0219 1.0271 1.0286 1.0313 1.0327];% 原始序列

B=cumsum(A);%累加

n=length(A);

for i=1:(n-1)

C(i)=(B(i)+B(i+1))/2;

end

%计算待定参数

D=A; D(1)=[]; D=D';

E=[-C; ones(1,n-1)];

c=inv(E\*E')\*E\*D;

c=c';

a=c(1);

b=c(2);

%预测 往后预测16个数据

F=[];F(1)=A(1);

for i=2:(n+16)

F(i)=(A(1)-b/a)/exp(a\*(i-1))+b/a;

end

G=[];G(1)=A(1);

for i=2:(n+16)

G(i)=F(i)-F(i-1);

end

t1=2005:2009;

t2=2005:2025;

G

plot(t1,A,'r.',t2,G )

[h,sig,ci]=ttest2(x,y); 显著性检验