1. **Appendix**
   1. **PYTHON Code**

import xlrd

import xlwt

ExcelFile=xlrd.open\_workbook(r'C:\Users\tianzhy\Desktop\sumai.xlsx')

sheet=ExcelFile.sheet\_by\_name('速卖')

workbook = xlwt.Workbook(encoding = 'ascii')

worksheet = workbook.add\_sheet('My Worksheet')

row=0

for i in range (1,2291):

count=0

for j in range (0,19):

temp = str(sheet.cell(i,j).value)

if float(temp)==0.0:

count=count+1

#print(j)

if count<=3:

row=row+1

for j in range (0,56):

temp = str(sheet.cell(i,j).value)

worksheet.write(row, j, label = str(temp))

worksheet.write(row, 56, label = str(i+1))

#print(i)

workbook.save('Excel\_Workbook.xls')

import xlrd

import xlwt

ExcelFile=xlrd.open\_workbook(r'C:\Users\tianzhy\Desktop\detail\_numerical.xls')

sheet=ExcelFile.sheet\_by\_name('My Worksheet')

workbook = xlwt.Workbook(encoding = 'ascii')

worksheet = workbook.add\_sheet('My Worksheet')

for i in range (1,2291):

temp = str(sheet.cell(i,7).value)

if ('Gravity Response' in temp) :

worksheet.write(i, 0, label = str(1))

else:

worksheet.write(i, 0, label = str(0))

if ('GPRS' in temp):

worksheet.write(i, 1, label = str(1))

else:

worksheet.write(i, 1, label = str(0))

workbook.save('Excel\_Workbook.xls')

import xlrd

import xlwt

ExcelFile=xlrd.open\_workbook(r'C:\Users\tianzhy\Desktop\工作簿1.xlsx')

sheet=ExcelFile.sheet\_by\_name('Sheet1')

workbook = xlwt.Workbook(encoding = 'ascii')

worksheet = workbook.add\_sheet('My Worksheet')

for i in range (1,2291):

temp = str(sheet.cell(i,0).value)

if 'x' in temp:

temp = str.split(temp,'x')

worksheet.write(i, 0, label = str(temp[0]))

worksheet.write(i, 1, label = str(temp[1]))

worksheet.write(i, 2, label = str(temp[2]))

elif '\*' in temp:

temp = str.split(temp,'\*')

worksheet.write(i, 0, label = str(temp[0]))

worksheet.write(i, 1, label = str(temp[1]))

worksheet.write(i, 2, label = str(temp[2]))

elif 'X' in temp:

temp = str.split(temp,'X')

worksheet.write(i, 0, label = str(temp[0]))

worksheet.write(i, 1, label = str(temp[1]))

worksheet.write(i, 2, label = str(temp[2]))

else:

worksheet.write(i, 0, label = str(temp[0]))

worksheet.write(i, 1, label = str(temp[1]))

worksheet.write(i, 2, label = str(temp[2]))

temp=[0,0,0]

temp[0]=float(temp[0])

temp[1]=float(temp[1])

temp[2]=float(temp[2])

judge=temp[0]\*temp[1]\*temp[2]

if judge<36.8633431902425:

temp[0]=temp[0]\*25.4

temp[1]=temp[1]\*25.4

temp[2]=temp[2]\*25.4

elif judge<4712.4514674042:

temp[0]=temp[0]\*10

temp[1]=temp[1]\*10

temp[2]=temp[2]\*10

worksheet.write(i, 3, label = str(temp[0]))

worksheet.write(i, 4, label = str(temp[1]))

worksheet.write(i, 5, label = str(temp[2]))

#worksheet.write(i, 0, label = str(count))

workbook.save('Excel\_Workbook.xls')

import xlrd

import xlwt

ExcelFile=xlrd.open\_workbook(r'C:\Users\tianzhy\Desktop\sumai.xlsx')

sheet=ExcelFile.sheet\_by\_name('速卖')

workbook = xlwt.Workbook(encoding = 'ascii')

worksheet = workbook.add\_sheet('My Worksheet')

properties1=['Unlock Phones','Google Play','Battery Type','Battery Capacity','Display Resolution','Operation System','Feature','SIM Card Quantity','Recording Definition','Touch Screen Type','RAM','ROM','color']

properties2=['Size','Display Size']

properties3=['Camera：','Camera Type','Front Camera：']

properties4=['CPU：Octa Core','CPU：Quad Core','CPU：Dual Core']

for i in range (1,2291):

temp = sheet.cell(i,6).value

temp = str.split(temp,'<br>')

length=len(temp)

for j in range (0,13):

vari=0

for k in range (0,length):

if properties1[j] in temp[k]:

vari=temp[k]

worksheet.write(i, j, label = str(vari))

vari=0

for k in range (0,length):

if properties4[0] in temp[k]:

vari=properties4[0]

if properties4[1] in temp[k]:

vari=properties4[1]

if properties4[2] in temp[k]:

vari=properties4[2]

worksheet.write(i, 13, label = str(vari))

vari=0

for k in range (0,length):

if 'Size' in temp[k]:

vari=vari+1

if vari < 3:

worksheet.write(i, (13+vari), label = str(temp[k]))

vari=0

for k in range (0,length):

if 'Camera：' in temp[k]:

vari=vari+1

worksheet.write(i, (15+vari), label = str(temp[k]))

workbook.save('Excel\_Workbook.xls')

import xlrd

import xlwt

ExcelFile=xlrd.open\_workbook(r'C:\Users\tianzhy\Desktop\detail\_numerical.xls')

sheet=ExcelFile.sheet\_by\_name('My Worksheet')

workbook = xlwt.Workbook(encoding = 'ascii')

worksheet = workbook.add\_sheet('My Worksheet')

for i in range (1,2291):

temp = str(sheet.cell(i,13).value)

if ('Black' in temp) or ('black' in temp):

worksheet.write(i, 0, label = str(1))

else:

worksheet.write(i, 0, label = str(0))

if ('White' in temp) or ('white' in temp):

worksheet.write(i, 1, label = str(1))

else:

worksheet.write(i, 1, label = str(0))

if ('Blue' in temp) or ('blue' in temp):

worksheet.write(i, 2, label = str(1))

else:

worksheet.write(i, 2, label = str(0))

if ('Rose' in temp) or ('rose' in temp):

worksheet.write(i, 3, label = str(1))

else:

worksheet.write(i, 3, label = str(0))

if ('Gold' in temp) or ('gold' in temp) or ('champange' in temp) or ('Champange' in temp):

worksheet.write(i, 4, label = str(1))

else:

worksheet.write(i, 4, label = str(0))

if ('Silver' in temp) or ('silver' in temp):

worksheet.write(i, 5, label = str(1))

else:

worksheet.write(i, 5, label = str(0))

if ('Grey' in temp) or ('grey' in temp) or ('titanium' in temp) or ('Titanium' in temp):

worksheet.write(i, 6, label = str(1))

else:

worksheet.write(i, 6, label = str(0))

if ('Pink' in temp) or ('pink' in temp):

worksheet.write(i, 7, label = str(1))

else:

worksheet.write(i, 7, label = str(0))

if ('Brown' in temp) or ('brown' in temp):

worksheet.write(i, 8, label = str(1))

else:

worksheet.write(i, 8, label = str(0))

if ('Orange' in temp) or ('orange' in temp):

worksheet.write(i, 9, label = str(1))

else:

worksheet.write(i, 9, label = str(0))

if ('Yellow' in temp) or ('yellow' in temp):

worksheet.write(i, 10, label = str(1))

else:

worksheet.write(i, 10, label = str(0))

if ('Red' in temp) or ('red' in temp):

worksheet.write(i, 11, label = str(1))

else:

worksheet.write(i, 11, label = str(0))

workbook.save('Excel\_Workbook.xls')

import xlrd

import xlwt

ExcelFile=xlrd.open\_workbook(r'C:\Users\tianzhy\Desktop\sumai.xlsx')

sheet=ExcelFile.sheet\_by\_name('速卖')

workbook = xlwt.Workbook(encoding = 'ascii')

worksheet = workbook.add\_sheet('My Worksheet')

for i in range (1,2291):

vari=0

temp = sheet.cell(i,6).value

if 'Dual Camera' in temp:

vari=1

if 'Dual camera' in temp:

vari=1

if 'Dual Front Camera' in temp:

vari=1

if 'Dual Back Camera' in temp:

vari=1

if 'Dual front Camera' in temp:

vari=1

if 'Dual Rear Camera' in temp:

vari=1

if 'Dual rear Camera' in temp:

vari=1

if 'Dual back Camera' in temp:

vari=1

worksheet.write(i, 0, label = vari)

vari=0

if 'Front Camera' in temp:

vari=1

if 'front Camera' in temp:

vari=1

worksheet.write(i, 1, label = vari)

workbook.save('Excel\_Workbook.xls')

import xlrd

import xlwt

ExcelFile=xlrd.open\_workbook(r'C:\Users\tianzhy\Desktop\sumai.xlsx')

sheet=ExcelFile.sheet\_by\_name('速卖')

workbook = xlwt.Workbook(encoding = 'ascii')

worksheet = workbook.add\_sheet('My Worksheet')

for i in range (1,2291):

temp = sheet.cell(i,5).value

temp = str.split(temp)

length=len(temp)

count=0

for j in range (0,length):

if temp[j]=='Xiaomi'or temp[j]=='xiaomi'or temp[j]=='XIAOMI':

count=1

elif temp[j]=='Huawei'or temp[j]=='HUAWEI'or temp[j]=='huawei':

count=2

elif temp[j]=='MEIZU'or temp[j]=='meizu'or temp[j]=='Meizu':

count=3

elif temp[j]=='LENOVO'or temp[j]=='Lenovo'or temp[j]=='lenovo':

count=4

elif temp[j]=='IPHONE'or temp[j]=='iphone'or temp[j]=='iPhone':

count=5

elif temp[j]=='OPPO'or temp[j]=='Oppo'or temp[j]=='oppo':

count=6

elif temp[j]=='Vivo'or temp[j]=='vivo'or temp[j]=='VIVO':

count=7

elif temp[j]=='Nubia'or temp[j]=='NUBIA'or temp[j]=='nubia':

count=8

elif temp[j]=='samsung'or temp[j]=='Samsung'or temp[j]=='SAMSUNG':

count=9

elif temp[j]=='ZTE'or temp[j]=='zte':

count=10

elif temp[j]=='HOMTOM'or temp[j]=='homtom'or temp[j]=='Homtom':

count=11

elif temp[j]=='DOOGEE'or temp[j]=='Doogee'or temp[j]=='doogee':

count=12

elif temp[j]=='Letv'or temp[j]=='LeTv'or temp[j]=='letv' or temp[j]=='LETV':

count=13

elif temp[j]=='Blackview'or temp[j]=='BLACKVIEW'or temp[j]=='blackview':

count=14

elif temp[j]=='NOKIA'or temp[j]=='Nokia'or temp[j]=='nokia':

count=15

worksheet.write(i, 0, label = str(count))

workbook.save('Excel\_Workbook.xls')

import pandas as pd

import xgboost as xgb

from sklearn import preprocessing

import numpy as np

train = pd.read\_csv(r'D:\XGBoost\_learn\click rate\train1.csv', header=0)

tests = pd.read\_csv(r'D:\XGBoost\_learn\click rate\test\_pre.csv', header=0)

# trains=train.iloc[:, 1:].values

# labels=train.iloc[:,:1].values

# test = tests.iloc[:, :].values

'''

train['time\_stamp'] = pd.to\_datetime(pd.Series(train['time\_stamp']))

tests['time\_stamp'] = pd.to\_datetime(pd.Series(tests['time\_stamp']))

train['Year'] = train['time\_stamp'].apply(lambda x: x.year)#Year

train['Month'] = train['time\_stamp'].apply(lambda x: x.month)#Month

train['weekday'] = train['time\_stamp'].dt.dayofweek#weekday

train['time'] = train['time\_stamp'].dt.time#time

tests['Year'] = tests['time\_stamp'].apply(lambda x: x.year)#Year

tests['Month'] = tests['time\_stamp'].apply(lambda x: x.month)#Month

tests['weekday'] = tests['time\_stamp'].dt.dayofweek#weekday

tests['time'] = tests['time\_stamp'].dt.time#time

train = train.drop('time\_stamp', axis=1)

train = train.dropna(axis=0)

tests = tests.drop('time\_stamp', axis=1)

tests = tests.fillna(method='pad')

'''

for f in train.columns:

if train[f].dtype=='object':

if f != 'shop\_id':

print(f)

lbl = preprocessing.LabelEncoder()

lbl.fit(list(train[f].values))

train[f] = lbl.transform(list(train[f].values))

for f in tests.columns:

if tests[f].dtype == 'object':

print(f)

lbl = preprocessing.LabelEncoder()

lbl.fit(list(tests[f].values))

tests[f] = lbl.transform(list(tests[f].values))

print("test")

print(tests.info())

# for f in train.columns:

# if f !='':

# train[f] = train[f].astype(float)

print(train.info())

# train = train.astype(float)

# tests = tests.astype(float)

trains = train.iloc[:, 1:].values

labels = train.iloc[:, :1].values

test = tests.iloc[:, 1:].values

feature\_columns\_to\_use = ['wifi\_strong1','wifi\_strong2','wifi\_strong3']

big\_X = train[feature\_columns\_to\_use].append(tests[feature\_columns\_to\_use])

train\_X = big\_X[0:train.shape[0]].as\_matrix()

test\_X = big\_X[train.shape[0]::].as\_matrix()

train\_y = train['shop\_id']

gbm = xgb.XGBClassifier(silent=1, max\_depth=3, n\_estimators=300, learning\_rate=0.05)

gbm.fit(train\_X, train\_y)

predictions = gbm.predict(test\_X)

submission = pd.DataFrame({'row\_id': tests['row\_id'],

'shop\_id': predictions})

print(submission)

submission.to\_csv("submission.csv", index=False)

'''

print(trains)

parameters={

'silent':1,

'max\_depth': 3,

'n\_estimators':300,

'learning\_rate':0.005,

}

feature\_types={

'float','str','float','float','float','float','float','float','float','float','float','float','float','float','float','float','float','float','float','float','float','float','float','float','float','float','float','float','float','float','float','float','float','float','float','float','float','float',

}

# feature\_types = {

# 'str', 'float',

# }

ft=list(feature\_types)

ParamLst = dict(parameters.items())

offset = 15

num\_rounds = 1

xgtest = xgb.DMatrix(tests)

print("//////////////////////////")

# 划分训练集与验证集

xgtrain = xgb.DMatrix(trains[:offset,:], label=labels[:offset])

print("//////////////////////////")

xgval = xgb.DMatrix(trains[offset:, :], label=labels[offset:])

# return 训练和验证的错误率

watchlist = [(xgtrain, 'train'), (xgval, 'val')]

# training model

# early\_stopping\_rounds 当设置的迭代次数较大时，early\_stopping\_rounds 可在一定的迭代次数内准确率没有提升就停止训练

model = xgb.train(ParamLst, xgtrain, num\_rounds, watchlist, early\_stopping\_rounds=100)

# model.save\_model('./model/xgb.model') # 用于存储训练出的模型

preds = model.predict(xgtest, ntree\_limit=model.best\_iteration)

# 将预测结果写入文件

np.savetxt('submission\_xgb\_MultiSoftmax.csv', np.c\_[range(1, len(test)+1), preds],

delimiter=',', header='ImageId,Label', comments='', fmt='%d')

'''

* 1. **MATLAB Code**

%clear B

jitiaoshuju=size(A);

jitiaoshuju=jitiaoshuju(1,1);

R=A(:,1);

xingbie=max(R);

R=A(:,2);

jigecanhe=max(R);

%AÊÇÔ­Ê¼Êý¾Ý

for b=1:xingbie%ÐÔ±ð

B{b}=[];

end

for c=1:jitiaoshuju%¼¸ÌõÊý¾Ý

for d=1:xingbie%ÐÔ±ð

if A(c,1)==d

B{d}=[B{d};A(c,:)];

end

end

end

for e=1:xingbie%ÐÔ±ð

for f=1:jigecanhe%¼¸¸ö²ÍºÐ

T=B{e}(:,2);

Q=find(T(T==f));

U(e,f)=max(Q);

end

end

%UÊÇÔ­Ê¼¸öÊý£¬±ÈÈçµÚ¶þÐÐµÚÒ»ÁÐ¾ÍÊÇÅ®µÄ²ÍºÐÑ¡ÏîÎª1µÄÓÐ¶àÉÙ¸öÈË

for l=1:xingbie%ÓÐ¼¸¸öÐÔ±ð

for j=1:jigecanhe%ÓÐ¼¸¸ö²ÍºÐ

for k=1:jigecanhe%ÓÐ¼¸¸ö²ÍºÐ

C{l}(j,k)=U(l,j)/U(l,k);

end

end

end

for i=1:xingbie%ÓÐ¼¸¸öÐÔ±ð

t=C{i};

[x,lumda]=eig(t);

r=abs(sum(lumda));

n=find(r==max(r));

max\_lumda\_A(1,i)=lumda(n,n);

max\_x\_A{i}=x(:,n); %ÌØÕ÷Öµ

max\_x\_A{i}=max\_x\_A{i}./sum(max\_x\_A{i});

end

for p=1:xingbie%ÓÐ¼¸¸öÐÔ±ð

for q=1:jigecanhe%ÓÐ¼¸¸ö²ÍºÐ

max\_x\_AB(p,q)=max\_x\_A{p}(q,1);%ÌØÕ÷ÏòÁ¿£¬µÚÒ»ÐÐÊÇÄÐµÄµÄ¸÷ÏîÈ¨ÖØ£¬µÚ¶þÐÐÊÇÅ®µÄµÄ¸÷ÏîÈ¨ÖØ

end

end

for i =1:1324

if A(i)==2

A(i)=1;

elseif A(i)==4

A(i)=1;

elseif A(i)==8

A(i)=2;

elseif A(i)==16

A(i)=2;

elseif A(i)==32

A(i)=2;

elseif A(i)==64

A(i)=3;

elseif A(i)==128

A(i)=3;

elseif A(i)==256

A(i)=3;

%%else

%% A(i)=5;

end

end

p=p';

t=t';

net=newff(minmax(p),[10 1]);

net.trainParam.epochs=1000;

net.trainParam.goal=0.001;

net.trainParam.show=50;

net.trainParam.lr=0.05;

net.trainParam.mc=0.9;

net=train(net,p,t);

A=sim(net,test);

A=A';

[m,n]=size(A);

[p,q]=size(Z);

for j =1:n

B{j}=A(:,j);

B{j}=B{j}/std(B{j});

for i=1:(m-1)

B\_{j}(i)=B{j}(i)-B{j}(i+1);

end

end

for j =1:q

Y{j}=Z(:,j);

Y{j}=Y{j}/std(Y{j});

for i=1:(p-1)

Y\_{j}(i)=Y{j}(i)-Y{j}(i+1);

end

end

for i=1:q

aver(i,1)=mean(Y\_{i});

for j = 1:n

aver(i,(j+1))=abs(sum(Y\_{i})-sum(B\_{j}));

final(i,j)=(1+aver(i,1))/(1+aver(i,1)+aver(i,(j+1)));

end

end

%averv0=mean(x0\_);

%averv1=averv1/1323;

%final=(1+averv0)/(1+averv0+averv);

B=0:1:15;

B=B';

B\_=zeros(16,1);

B=[B B\_];

for i=1:2290

B((A(i,1)+1),2)=B((A(i,1)+1),2)+1;

end

count=0;

for i = 1:16

if B(i,2)~=0

count=count+1;

C(count,1)=B(i,1);

C(count,2)=B(i,2);

end

end

%yangbenµÚÒ»ÁÐÊÇ·ÖÀàÇÃ½øÈ¥

%bÊÇ´ýÅÐµÄÇÃ½øÈ¥£¬gÇÃ½øÈ¥

%iiiÊÇ¸ÅÂÊ£¬½á¹û

%HÊÇºóÑé¸ÅÂÊ£¬½á¹û

%g-group·ÖÀàÊý£¬ºóÀ´Ð´ÁË¸ö×Ô¶¯¼ì²â·ÖÀàÊýµÄ£¬²»¹ýÃ»ÔÚmatlabÏÂÐ©£¬ºÇºÇ

[m,n]=size(yangben);

%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%

%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%

for i=1:g

groupNum(i)=0;

group(i)=0;

for j=1:m

if yangben(j,1)==i

group(i)=group(i)+1;

end

end

if i==1

groupNum(i)=group(i);

else

groupNum(i)=groupNum(i-1)+group(i);

end

end

group;

groupNum; %¼ÆËã·ÖÀà¸öÊýÊý×é

%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%

%¼ÆËã×ÜÆ½¾ùÖµ

% for j=1:n-1

% TotalMean(j)=0;

% for i=1:m

% TotalMean(j)=TotalMean(j)+yangben(i,j+1);

% end

% TotalMean(j)=TotalMean(j)/m;

% end

%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%

GroupMean=[];

for i=1:g

if i==1

low=1;

up=groupNum(i);

else

low=groupNum(i-1)+1;

up=groupNum(i);

end

matrix=yangben(low:up,:);

MatrixMean=mean(matrix); %¸÷·ÖÀà×éÆ½¾ùÖµ

GroupMean=[GroupMean;MatrixMean];

for u=low:up

for v=2:n

C(u,v-1)=yangben(u,v)-MatrixMean(v);

end

end

end

C;

GroupMean;

V=C'\*C/(m-g);

V\_inv=inv(V); %¶Ô¾ØÕóVÇóÄæ

%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%

GroupMean=GroupMean(:,2:n);

Q1=GroupMean\*V\_inv;

%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%

for i=1:g

lnqi(i)=log(group(i)/m);

mat=GroupMean(i,:);

Q2(i)=lnqi(i)-0.5\*mat\*V\_inv\*mat';

end

lnqi;

Q2;

%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%

[u,v]=size(b);

result=[];

for i=1:u

x=b(i,:);

yy=Q1\*x'+Q2';

result=[result yy];

end

res=result'; %¼ÆËãµÄ´ýÅÐÊý¾Ý¶Ô¸÷±ê×¼Êý¾ÝµÄÏßÐÔ¼ÆËãÖµ

[rows,cols]=size(result);

for i=1:cols

iljj=0;

mlljj=result(:,i);

for j=1:rows

iljj=iljj+exp(result(j,i)-max(mlljj));

end

for j=1:rows

houyangailv(j,i)=exp(result(j,i)-max(mlljj))/iljj;

end

end

H=houyangailv'; %ºóÑé¸ÅÂÊ

iii=[];

for a=1:u

k=max(H(a,:));

for ii=1:g

if k==H(a,ii)

iii=[iii;ii];

end

end

end

clear ccatagorydetectionijkmn

for i=1:7

c{i}=[];

end

for i=1:442

catagory=b(i,1);

for j =1:7

[m,n]=size(c{j});

if n~=0

detection=0;

for k =1:n

if c{j}(5,k)==a(i,j)

c{j}(catagory,k)=c{j}(catagory,k)+1;

detection=1;

end

end

if detection==0

c{j}(5,(n+1))=a(i,j);

c{j}(catagory,(n+1))=(c{j}(catagory,(n+1)))+1;

end

end

if n==0

c{j}(5,1)=a(i,j);

c{j}(catagory,1)=(c{j}(catagory,1))+1;

end

end

end

for i=1:7

c{i}=c{i}';

end

**12.3 Application Result**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Bayes Click | Bayes Convert | Principal Click | Principal Convert | BP Click | BP Convert | Boosting Click | Boosting Convert |
| 0.2625 | 0.225 | 0.301081 | 0.295534 | 0.047775 | 0.024434 | 0.0215 | 0.0223 |
| 0.05 | 0.05 | 0.140721 | 0.143245 | 0.021181 | 0.021401 | 0.0241 | 0.0223 |
| 0.2625 | 0.225 | 0.121122 | 0.11836 | 0.009838 | -0.05456 | 0.0236 | 0.0226 |
| 0.05 | 0.225 | 0.099311 | 0.099699 | 0.015475 | -0.045 | 0.0198 | 0.0226 |
| 0.05 | 0.05 | 1.166903 | 1.174594 | 0.013802 | -0.07697 | 0.0213 | 0.0228 |
| 0.05 | 0.225 | 0.058086 | 0.055002 | 0.012924 | -0.05778 | 0.0213 | 0.0226 |
| 0.05 | 0.225 | 0.248493 | 0.250987 | 0.015712 | -0.04218 | 0.0212 | 0.0232 |
| 0.05 | 0.05 | 0.706112 | 0.71033 | 0.021142 | 0.023265 | 0.0241 | 0.0222 |
| 0.05 | 0.225 | 0.238837 | 0.239042 | 0.016657 | -0.03991 | 0.0212 | 0.0232 |
| 0.05 | 0.05 | 0.284154 | 0.284908 | 0.021321 | 0.016654 | 0.0241 | 0.0223 |
| 0.05 | 0.05 | 0.153205 | 0.151119 | 0.023743 | 0.016128 | 0.0242 | 0.0226 |
| 0.05 | 0.05 | 0.838394 | 0.842787 | 0.013709 | -0.06495 | 0.0213 | 0.0226 |
| 0.2625 | 0.225 | 0.050065 | 0.036009 | 0.016702 | 0.008986 | 0.0247 | 0.0226 |
| 0.05 | 0.05 | 0.03951 | 0.033058 | 0.020839 | 0.018061 | 0.0241 | 0.0226 |
| 0.05 | 0.05 | 0.427411 | 0.431128 | 0.019589 | 0.019448 | 0.0241 | 0.022 |
| 0.05 | 0.225 | 0.061471 | 0.06089 | 0.015967 | -0.04453 | 0.0241 | 0.0226 |
| 0.05 | 0.225 | 0.061778 | 0.059916 | 0.02975 | -0.05035 | 0.0242 | 0.0226 |
| 0.05 | 0.05 | 0.106117 | 0.109004 | 0.029872 | -0.03933 | 0.0242 | 0.0232 |
| 0.05 | 0.05 | 0.058695 | 0.056355 | 0.022316 | 0.018414 | 0.0242 | 0.0223 |
| 0.05 | 0.05 | 0.409615 | 0.413317 | 0.01951 | 0.021002 | 0.0241 | 0.022 |
| 0.2625 | 0.225 | 0.054849 | 0.047701 | 0.019698 | 0.011567 | 0.0205 | 0.0225 |
| 0.05 | 0.225 | 0.45968 | 0.459352 | 0.018527 | 0.016732 | 0.0202 | 0.0223 |
| 0.05 | 0.05 | 0.387575 | 0.390328 | 0.019166 | 0.019707 | 0.0197 | 0.0223 |
| 0.05 | 0.225 | 0.044472 | 0.041542 | 0.015017 | -0.05861 | 0.0218 | 0.0239 |
| 0.05 | 0.05 | 0.919941 | 0.925382 | 0.020089 | 0.020919 | 0.0241 | 0.0228 |
| 0.05 | 0.05 | 0.710686 | 0.713729 | 0.012175 | -0.07251 | 0.0213 | 0.0224 |
| 0.05 | 0.225 | 0.029344 | 0.02205 | 0.01429 | -0.0593 | 0.0218 | 0.0226 |
| 0.05 | 0.05 | 0.121712 | 0.121506 | 0.017301 | 0.013074 | 0.0241 | 0.0226 |
| 0.05 | 0.05 | 0.159957 | 0.15993 | 0.021647 | 0.014211 | 0.0242 | 0.0226 |
| 0.05 | 0.225 | 0.057494 | 0.057361 | 0.046611 | -0.04982 | 0.0242 | 0.0226 |
| 0.2625 | 0.225 | 0.128441 | 0.129147 | 0.049592 | 0.020074 | 0.0215 | 0.0223 |
| 0.05 | 0.05 | 0.0211 | 0.018417 | 0.02409 | 0.011114 | 0.0242 | 0.0225 |
| 0.05 | 0.225 | 0.267234 | 0.267913 | 0.008311 | -0.06043 | 0.0212 | 0.0232 |
| 0.05 | 0.05 | 0.11542 | 0.11341 | 0.022578 | 0.016628 | 0.0242 | 0.0226 |
| 0.05 | 0.05 | 0.08274 | 0.079886 | 0.019898 | 0.009123 | 0.0241 | 0.0226 |
| 0.05 | 0.05 | 0.035513 | 0.035484 | 0.017282 | -0.04392 | 0.0241 | 0.0226 |
| 0.05 | 0.225 | 0.272611 | 0.272038 | 0.016109 | -0.05984 | 0.0212 | 0.0232 |
| 0.05 | 0.05 | 0.070123 | 0.06746 | 0.022535 | 0.012018 | 0.0242 | 0.0226 |
| 0.05 | 0.225 | 0.056996 | 0.056187 | 0.016619 | -0.0509 | 0.0175 | 0.0226 |
| 0.05 | 0.05 | 0.311108 | 0.313147 | 0.017928 | -0.04026 | 0.0246 | 0.0213 |
| 0.05 | 0.05 | 0.046446 | 0.046241 | 0.049272 | 0.012992 | 0.0242 | 0.0222 |
| 0.05 | 0.05 | 0.096495 | 0.096192 | 0.019702 | 0.010709 | 0.0241 | 0.0226 |
| 0.05 | 0.225 | 0.023168 | 0.021322 | 0.016456 | -0.05952 | 0.0175 | 0.0226 |
| 0.2625 | 0.225 | 0.023472 | 0.015893 | 0.01577 | -0.05274 | 0.0215 | 0.0239 |
| 0.05 | 0.225 | 0.063036 | 0.06313 | 0.041782 | -0.05208 | 0.0242 | 0.0226 |
| 0.05 | 0.05 | 0.130617 | 0.132127 | 0.020563 | 0.013422 | 0.0211 | 0.0226 |
| 0.05 | 0.05 | 0.056659 | 0.055431 | 0.019311 | 0.009797 | 0.0241 | 0.0226 |
| 0.05 | 0.05 | 0.153791 | 0.154382 | 0.021909 | 0.015791 | 0.0242 | 0.0226 |
| 0.05 | 0.225 | 0.050062 | 0.047132 | 0.014266 | -0.05669 | 0.0218 | 0.0239 |
| 0.05 | 0.05 | 0.401322 | 0.396777 | 0.019591 | 0.020679 | 0.0241 | 0.0223 |
| 0.05 | 0.05 | 0.042529 | 0.039504 | 0.018259 | 0.006759 | 0.0242 | 0.0226 |
| 0.05 | 0.225 | 0.046048 | 0.042978 | 0.013266 | -0.05885 | 0.0213 | 0.0239 |
| 0.05 | 0.05 | 0.072228 | 0.071846 | 0.019819 | 0.012318 | 0.0241 | 0.0226 |
| 0.2625 | 0.225 | 0.008559 | 0.004133 | 0.018996 | 0.019257 | 0.0195 | 0.0225 |
| 0.05 | 0.05 | 0.05594 | 0.055802 | 0.020961 | 0.014394 | 0.0241 | 0.0223 |
| 0.2625 | 0.225 | 0.071697 | 0.064676 | 0.02177 | 0.022783 | 0.0195 | 0.0221 |
| 0.05 | 0.225 | 0.032809 | 0.029794 | 0.015003 | -0.05685 | 0.0218 | 0.0226 |
| 0.05 | 0.05 | 0.303993 | 0.303849 | -0.00484 | 0.0218 | 0.0221 | 0.0223 |
| 0.05 | 0.225 | 0.02684 | 0.023795 | 0.022054 | 0.015454 | 0.0242 | 0.0225 |
| 0.2125 | 0.225 | 0.010919 | 0.014113 | 0.010625 | 0.014996 | 0.0247 | 0.0225 |
| 0.05 | 0.05 | 0.063761 | 0.058907 | 0.037174 | 0.012365 | 0.0242 | 0.0226 |
| 0.05 | 0.05 | 0.08451 | 0.084139 | 0.020973 | 0.013408 | 0.0241 | 0.0226 |
| 0.05 | 0.05 | 0.957088 | 0.966342 | 0.020351 | 0.026999 | 0.0241 | 0.0228 |
| 0.05 | 0.05 | 0.079281 | 0.079612 | 0.022356 | 0.014837 | 0.0242 | 0.0226 |
| 0.2125 | 0.225 | 0.007936 | -0.00086 | 0.01403 | 0.015025 | 0.0247 | 0.0225 |
| 0.2625 | 0.225 | 0.065479 | 0.051174 | 0.011993 | -0.05492 | 0.0195 | 0.0226 |
| 0.05 | 0.05 | 0.081789 | 0.082327 | 0.023207 | 0.012109 | 0.0242 | 0.0226 |
| 0.05 | 0.05 | 0.211924 | 0.213195 | 0.023184 | -0.02773 | 0.0241 | 0.0232 |
| 0.05 | 0.225 | 0.037688 | 0.035776 | 0.021638 | 0.018533 | 0.0242 | 0.0225 |
| 0.05 | 0.225 | 0.046328 | 0.045606 | 0.02291 | 0.01285 | 0.0242 | 0.0222 |
| 0.05 | 0.225 | 0.046882 | 0.043287 | 0.014918 | -0.05514 | 0.0218 | 0.0239 |
| 0.05 | 0.225 | 0.023604 | 0.020592 | 0.014003 | -0.0574 | 0.0218 | 0.0239 |
| 0.2125 | 0.225 | 0.006932 | 0.003512 | 0.008363 | 0.005225 | 0.0247 | 0.0225 |
| 0.05 | 0.225 | 0.107906 | 0.101205 | 0.023197 | 0.016882 | 0.0242 | 0.0225 |
| 0.2625 | 0.349 | 0.046636 | 0.031028 | 0.02256 | -0.04799 | 0.0195 | 0.0226 |
| 0.2625 | 0.225 | 0.159246 | 0.146043 | 0.021014 | 0.011773 | 0.023 | 0.0226 |
| 0.05 | 0.225 | 0.017755 | 0.016308 | 0.017763 | -0.05388 | 0.0224 | 0.0239 |
| 0.05 | 0.05 | 0.172193 | 0.173618 | 0.021146 | 0.016857 | 0.0241 | 0.0226 |
| 0.2125 | 0.225 | 0.006541 | -0.00187 | 0.010914 | 0.015761 | 0.0247 | 0.0225 |
| 0.05 | 0.225 | 0.019879 | 0.016972 | 0.015368 | -0.05581 | 0.0198 | 0.0239 |
| 0.05 | 0.05 | 0.012198 | 0.009536 | 0.034172 | -0.00937 | 0.0242 | 0.0239 |
| 0.05 | 0.225 | 0.01658 | 0.013583 | 0.014871 | -0.05724 | 0.0218 | 0.0239 |
| 0.05 | 0.225 | 0.043114 | 0.035716 | 0.016119 | -0.05591 | 0.0241 | 0.0239 |
| 0.2125 | 0.225 | 0.010337 | 0.001918 | 0.013426 | 0.013825 | 0.0247 | 0.0225 |
| 0.2125 | 0.225 | 0.010963 | 0.01043 | 0.010482 | 0.007622 | 0.0247 | 0.0225 |
| 0.05 | 0.05 | 0.043176 | 0.042843 | 0.019313 | 0.009654 | 0.0241 | 0.0226 |
| 0.2125 | 0.225 | 0.007149 | 0.003611 | 0.008852 | 0.008215 | 0.0247 | 0.0225 |
| 0.05 | 0.225 | 0.023931 | 0.021039 | 0.01376 | -0.06077 | 0.0213 | 0.0239 |
| 0.05 | 0.05 | 0.100603 | 0.10202 | 0.023325 | 0.015937 | 0.0242 | 0.0213 |
| 0.2625 | 0.349 | 0.011219 | 0.003559 | 0.015098 | -0.0486 | 0.0215 | 0.0239 |
| 0.2125 | 0.225 | 0.003645 | 0.003773 | 0.001698 | -0.03455 | 0.0199 | 0.0239 |
| 0.05 | 0.05 | 0.066361 | 0.066042 | 0.020988 | 0.013059 | 0.0241 | 0.0226 |
| 0.2125 | 0.225 | 0.005905 | -0.00243 | 0.009273 | 0.00535 | 0.0247 | 0.001 |
| 0.05 | 0.225 | 0.03728 | 0.037025 | 0.025724 | -0.04938 | 0.0242 | 0.0239 |
| 0.2125 | 0.225 | 0.00517 | 0.003057 | 0.003035 | -0.03324 | 0.0221 | 0.0239 |
| 0.2125 | 0.225 | 0.003833 | -0.00425 | 0.001923 | -0.03413 | 0.0221 | 0.0171 |
| 0.05 | 0.05 | 0.020376 | 0.020014 | 0.020601 | -0.05363 | 0.0241 | 0.0239 |
| 0.2125 | 0.225 | 0.010629 | 0.009626 | 0.003222 | 0.008785 | 0.0221 | 0.0225 |
| 0.2125 | 0.225 | 0.005152 | 0.003957 | 0.002019 | -0.03304 | 0.0221 | 0.0239 |
| 0.05 | 0.05 | 0.013796 | 0.01065 | 0.021336 | 0.016562 | 0.0241 | 0.0225 |
| 0.2125 | 0.225 | 0.007317 | 0.003736 | 0.009564 | 0.006794 | 0.0247 | 0.0225 |
| 0.05 | 0.05 | 0.285532 | 0.287084 | 0.020283 | 0.017855 | 0.0241 | 0.0223 |
| 0.05 | 0.05 | 0.029818 | 0.029556 | 0.022125 | -0.03342 | 0.0242 | 0.0226 |
| 0.2125 | 0.225 | 0.006412 | 0.008398 | 0.012103 | 0.019711 | 0.0247 | 0.0225 |
| 0.05 | 0.225 | 0.056872 | 0.057289 | 0.041746 | -0.05331 | 0.0242 | 0.0226 |
| 0.05 | 0.225 | 0.02168 | 0.013711 | 0.008839 | -0.05388 | 0.0241 | 0.0239 |
| 0.05 | 0.225 | 0.27461 | 0.268199 | 0.019176 | -0.0553 | 0.0197 | 0.0232 |
| 0.2125 | 0.225 | 0.008016 | 0.004362 | 0.005632 | 0.006494 | 0.0221 | 0.0225 |
| 0.2125 | 0.225 | 0.009297 | 0.008249 | 0.002735 | 0.007893 | 0.0221 | 0.0195 |
| 0.05 | 0.05 | 0.026959 | 0.026361 | 0.018757 | -0.04092 | 0.0202 | 0.0226 |
| 0.05 | 0.05 | 0.028931 | 0.025484 | 0.018529 | 0.007957 | 0.0202 | 0.0226 |
| 0.05 | 0.225 | 0.048058 | 0.045066 | 0.022431 | 0.016809 | 0.0242 | 0.0222 |
| 0.2125 | 0.225 | 0.011357 | 0.010473 | 0.003062 | 0.008683 | 0.0221 | 0.0225 |
| 0.2125 | 0.225 | 0.008931 | 0.007993 | 0.001995 | 0.00784 | 0.0221 | 0.0195 |
| 0.05 | 0.225 | 0.020309 | 0.017448 | 0.013675 | -0.0585 | 0.0213 | 0.0239 |
| 0.2125 | 0.225 | 0.007707 | 0.003987 | 0.033202 | 0.011352 | 0.0234 | 0.0225 |
| 0.05 | 0.225 | 0.008246 | 0.007104 | 0.018907 | -0.05212 | 0.0202 | 0.0239 |
| 0.05 | 0.05 | 0.021423 | 0.021151 | 0.023556 | -0.03263 | 0.0242 | 0.0239 |
| 0.2625 | 0.225 | 0.029511 | 0.021986 | 0.020884 | 0.012993 | 0.0195 | 0.021 |
| 0.2125 | 0.225 | 0.005237 | 0.001894 | 0.000943 | -0.03714 | 0.0221 | 0.0239 |
| 0.05 | 0.225 | 0.041358 | 0.040852 | 0.01934 | -0.0451 | 0.0241 | 0.0239 |
| 0.05 | 0.05 | 0.029407 | 0.028856 | 0.02031 | 0.012507 | 0.0241 | 0.0212 |
| 0.05 | 0.225 | 0.023048 | 0.02133 | 0.016487 | -0.05954 | 0.0175 | 0.0226 |
| 0.2125 | 0.225 | 0.007227 | -0.00093 | 0.009995 | 0.006268 | 0.0247 | 0.001 |
| 0.382 | 0.349 | 0.000474 | -0.00617 | 0.029938 | -0.03327 | 0.0226 | 0.001 |
| 0.2125 | 0.225 | 0.003404 | -0.00492 | 0.001145 | -0.03817 | 0.0221 | 0.001 |
| 0.2125 | 0.225 | 0.005929 | -0.00214 | 0.002944 | -0.0385 | 0.0221 | 0.001 |
| 0.2125 | 0.225 | 0.007107 | 0.006384 | -0.00476 | -0.02763 | 0.0214 | 0.0239 |
| 0.2125 | 0.225 | 0.007211 | 0.006589 | 0.001433 | -0.03111 | 0.0221 | 0.0239 |
| 0.2125 | 0.225 | 0.008844 | 0.008095 | -0.00581 | -0.02622 | 0.0214 | 0.0239 |
| 0.2125 | 0.225 | 0.008742 | 0.007927 | -0.00664 | -0.0261 | 0.0214 | 0.0239 |
| 0.2125 | 0.225 | 0.004588 | -0.00359 | 0.002976 | -0.03823 | 0.0221 | 0.001 |
| 0.2125 | 0.225 | 0.009737 | 0.008954 | -0.00538 | -0.03678 | 0.0214 | 0.0239 |
| 0.2125 | 0.225 | 0.005842 | 0.002583 | 0.00356 | -0.03568 | 0.0221 | 0.0239 |
| 0.2125 | 0.225 | 0.009736 | 0.008953 | -0.00537 | -0.03649 | 0.0214 | 0.0239 |
| 0.2125 | 0.225 | 0.006041 | -0.00238 | 0.00819 | 0.005465 | 0.0247 | 0.001 |
| 0.05 | 0.225 | 0.051646 | 0.049489 | 0.021027 | 0.012499 | 0.0241 | 0.0226 |
| 0.2125 | 0.225 | 0.010266 | 0.00932 | -0.00707 | -0.03118 | 0.0214 | 0.0239 |
| 0.2125 | 0.225 | 0.003554 | -0.00456 | 0.003841 | -0.03775 | 0.0221 | 0.001 |
| 0.2125 | 0.225 | 0.005441 | 0.00203 | 0.00256 | -0.03863 | 0.0221 | 0.0239 |
| 0.2125 | 0.225 | 0.007262 | 0.005939 | -0.00623 | -0.0318 | 0.0214 | 0.0239 |
| 0.05 | 0.05 | 0.020607 | 0.020204 | 0.012958 | 0.010416 | 0.0213 | 0.0195 |
| 0.05 | 0.05 | 0.022177 | 0.020814 | 0.018936 | 0.00952 | 0.0202 | 0.0195 |
| 0.2125 | 0.225 | 0.009875 | 0.001768 | 0.009749 | 0.005862 | 0.0247 | 0.001 |
| 0.05 | 0.05 | 0.114214 | 0.115638 | 0.023639 | 0.015651 | 0.0242 | 0.0226 |
| 0.2125 | 0.225 | 0.01193 | 0.010972 | 0.002416 | 0.006727 | 0.0221 | 0.0225 |
| 0.2125 | 0.225 | 0.009059 | 0.007769 | -0.00621 | -0.06008 | 0.0214 | 0.0239 |
| 0.05 | 0.05 | 0.069129 | 0.068707 | 0.019155 | 0.005347 | 0.0227 | 0.0226 |
| 0.05 | 0.05 | 0.212041 | 0.213253 | 0.020847 | 0.017145 | 0.0241 | 0.0227 |
| 0.2125 | 0.225 | 0.00864 | 0.00916 | 0.008708 | 0.019435 | 0.0247 | 0.0225 |
| 0.2125 | 0.225 | 0.006305 | -0.00132 | 0.006431 | -0.03179 | 0.0202 | 0.001 |
| 0.2625 | 0.225 | 0.015216 | 0.011977 | 0.018604 | 0.020035 | 0.0209 | 0.0225 |
| 0.05 | 0.05 | 0.022746 | 0.021435 | 0.021955 | 0.010881 | 0.0242 | 0.0226 |
| 0.2625 | 0.225 | 0.004393 | -0.00268 | 0.017402 | 0.016233 | 0.0236 | 0.0225 |
| 0.2125 | 0.225 | 0.008666 | 0.000453 | 0.008176 | 0.005651 | 0.0247 | 0.001 |
| 0.05 | 0.225 | 0.014505 | 0.006801 | 0.014164 | -0.05842 | 0.0218 | 0.0239 |
| 0.05 | 0.225 | 0.029027 | 0.02591 | 0.014523 | -0.05599 | 0.0218 | 0.0226 |
| 0.2125 | 0.225 | 0.007448 | 0.003982 | 0.00731 | 0.006281 | 0.0221 | 0.0225 |
| 0.2625 | 0.225 | 0.018527 | 0.017602 | 0.020393 | 0.020422 | 0.0195 | 0.0225 |
| 0.05 | 0.05 | 0.042026 | 0.039118 | 0.017737 | 0.007654 | 0.0224 | 0.0226 |
| 0.05 | 0.225 | 0.331541 | 0.333914 | 0.014941 | -0.06625 | 0.0212 | 0.0232 |
| 0.2125 | 0.225 | 0.005455 | -0.00266 | 0.00119 | -0.03827 | 0.0221 | 0.0149 |
| 0.2125 | 0.225 | 0.012391 | 0.011502 | 0.010113 | 0.008919 | 0.0247 | 0.0225 |
| 0.05 | 0.225 | 0.014426 | 0.00058 | 0.012753 | -0.05659 | 0.0213 | 0.001 |
| 0.05 | 0.225 | 0.011038 | 0.007793 | 0.015099 | -0.05155 | 0.0218 | 0.0239 |
| 0.2125 | 0.225 | 0.007116 | 0.006546 | 0.004305 | -0.02703 | 0.0221 | 0.0239 |
| 0.2125 | 0.225 | 0.006364 | -0.00174 | 0.000389 | -0.03959 | 0.0221 | 0.0171 |
| 0.05 | 0.05 | 0.030969 | 0.03046 | 0.016133 | -0.09231 | 0.0241 | 0.0226 |
| 0.05 | 0.05 | 0.041989 | 0.041225 | 0.024206 | 0.015106 | 0.0242 | 0.02 |
| 0.2125 | 0.225 | 0.006068 | 0.002641 | 0.001369 | -0.04098 | 0.0221 | 0.0239 |
| 0.2125 | 0.225 | 0.010283 | 0.008887 | 0.002416 | 0.006727 | 0.0221 | 0.0225 |
| 0.05 | 0.225 | 0.014355 | 0.013712 | 0.016826 | -0.04724 | 0.0175 | 0.0239 |
| 0.05 | 0.225 | 0.009614 | 0.006398 | 0.013621 | -0.05867 | 0.0215 | 0.0239 |
| 0.05 | 0.05 | 0.011085 | 0.010683 | 0.011712 | -0.04207 | 0.0213 | 0.0239 |
| 0.05 | 0.05 | 0.024787 | 0.024539 | 0.019065 | 0.01 | 0.0202 | 0.0226 |
| 0.2625 | 0.225 | 0.01189 | 0.004122 | 0.018492 | 0.018244 | 0.0239 | 0.0225 |
| 0.2125 | 0.225 | 0.01139 | 0.010615 | 0.00267 | 0.008315 | 0.0221 | 0.0225 |
| 0.2625 | 0.225 | 0.01581 | 0.008043 | 0.021035 | 0.014318 | 0.023 | 0.0225 |
| 0.05 | 0.05 | 0.027528 | 0.026768 | 0.018935 | 0.01077 | 0.0202 | 0.0226 |
| 0.05 | 0.05 | 0.146195 | 0.147953 | 0.02167 | 0.014909 | 0.0242 | 0.0226 |
| 0.05 | 0.225 | 0.012646 | 0.009517 | 0.01619 | -0.05372 | 0.0241 | 0.0239 |
| 0.05 | 0.225 | 0.013892 | 0.0128 | 0.016021 | -0.05959 | 0.0241 | 0.0239 |
| 0.2125 | 0.225 | 0.007266 | 0.006005 | 0.002201 | -0.03094 | 0.0221 | 0.0239 |
| 0.05 | 0.05 | 0.021308 | 0.020514 | 0.01933 | 0.008859 | 0.0241 | 0.0195 |
| 0.05 | 0.225 | 0.189112 | 0.192334 | 0.015699 | -0.06461 | 0.0241 | 0.0232 |
| 0.05 | 0.05 | 0.142136 | 0.142049 | 0.015453 | -0.04105 | 0.0225 | 0.0226 |
| 0.05 | 0.05 | 0.148518 | 0.148921 | 0.021764 | 0.014453 | 0.0242 | 0.0213 |
| 0.05 | 0.05 | 0.276366 | 0.264585 | 0.052117 | 0.023249 | 0.0234 | 0.0223 |
| 0.2625 | 0.225 | 0.010303 | 0.002507 | 0.009749 | -0.05589 | 0.0215 | 0.0239 |
| 0.2125 | 0.225 | 0.006215 | -0.00817 | -0.00032 | -0.03466 | 0.0221 | 0.001 |
| 0.2125 | 0.225 | 0.007926 | ######## | 0.012253 | 0.014051 | 0.0247 | 0.0225 |
| 0.2125 | 0.225 | 0.009719 | 0.009138 | 0.000374 | -0.08663 | 0.0221 | 0.0239 |
| 0.2125 | 0.225 | 0.010238 | 0.009419 | 0.000391 | -0.02953 | 0.0221 | 0.0239 |
| 0.2125 | 0.225 | 0.006739 | 0.005964 | -0.00528 | -0.02343 | 0.0214 | 0.0239 |
| 0.05 | 0.05 | 0.022889 | 0.022175 | 0.021974 | 0.011524 | 0.0242 | 0.0226 |
| 0.05 | 0.05 | 0.021889 | 0.020806 | 0.018825 | 0.009917 | 0.0202 | 0.0195 |
| 0.05 | 0.05 | 0.102282 | 0.101981 | 0.019771 | 0.011515 | 0.0241 | 0.0226 |
| 0.2125 | 0.225 | 0.008776 | 0.007424 | 0.001543 | -0.02451 | 0.0221 | 0.0239 |
| 0.2125 | 0.225 | 0.012034 | 0.010843 | 0.006964 | 0.011446 | 0.0221 | 0.0225 |
| 0.2125 | 0.225 | 0.012645 | 0.011759 | 0.032645 | 0.014862 | 0.0234 | 0.0225 |
| 0.05 | 0.225 | 0.01525 | 0.013787 | 0.020646 | 0.011275 | 0.0241 | 0.0225 |
| 0.2125 | 0.225 | 0.006153 | 0.00279 | 0.003873 | -0.04123 | 0.0221 | 0.0239 |
| 0.2125 | 0.225 | 0.005238 | -0.00272 | 0.001981 | -0.03653 | 0.0221 | 0.001 |
| 0.2125 | 0.225 | 0.009704 | 0.001139 | 0.006595 | 0.004754 | 0.0202 | 0.001 |
| 0.2125 | 0.225 | 0.007505 | 0.004021 | 0.011899 | 0.011975 | 0.0247 | 0.0225 |
| 0.2125 | 0.225 | 0.004383 | 0.002958 | 0.00147 | -0.03563 | 0.0221 | 0.0239 |
| 0.05 | 0.05 | 0.016457 | 0.013194 | 0.016896 | 0.019142 | 0.0241 | 0.0225 |
| 0.05 | 0.225 | 0.06849 | 0.061434 | 0.021317 | 0.013423 | 0.0241 | 0.0226 |
| 0.2125 | 0.225 | 0.007851 | -0.00034 | 0.008375 | 0.005534 | 0.0247 | 0.001 |
| 0.05 | 0.225 | 0.019538 | 0.016346 | 0.014395 | -0.0515 | 0.0218 | 0.0239 |
| 0.2125 | 0.225 | 0.008866 | 0.008007 | 0.002504 | 0.007833 | 0.0221 | 0.0195 |
| 0.2125 | 0.225 | 0.008521 | 0.000354 | 0.008581 | 0.005284 | 0.0247 | 0.001 |
| 0.2125 | 0.225 | 0.00776 | 0.004291 | 0.008908 | 0.010604 | 0.0247 | 0.0135 |
| 0.2125 | 0.225 | 0.008879 | 0.005321 | 0.009061 | 0.007696 | 0.0247 | 0.0189 |
| 0.05 | 0.225 | 0.01688 | 0.013538 | 0.013647 | -0.05888 | 0.0213 | 0.0239 |
| 0.2125 | 0.225 | 0.004865 | 0.001278 | 0.001244 | -0.0387 | 0.0221 | 0.001 |
| 0.05 | 0.05 | 0.073389 | 0.073277 | 0.02152 | 0.013877 | 0.0242 | 0.0208 |
| 0.2625 | 0.225 | 0.069466 | 0.061968 | 0.020799 | 0.019072 | 0.0195 | 0.0225 |
| 0.2125 | 0.225 | 0.005393 | -0.00247 | 0.004086 | -0.04003 | 0.0221 | 0.001 |
| 0.2125 | 0.225 | 0.01215 | 0.011037 | 0.006082 | 0.008364 | 0.0202 | 0.0225 |
| 0.05 | 0.225 | 0.02346 | 0.019896 | 0.015425 | -0.05364 | 0.0198 | 0.0239 |
| 0.05 | 0.05 | 0.01633 | 0.013126 | 0.018571 | 0.009475 | 0.0202 | 0.0195 |
| 0.05 | 0.225 | 0.021668 | 0.020445 | 0.017369 | 0.004842 | 0.0218 | 0.021 |
| 0.2625 | 0.225 | 0.008397 | 0.005027 | 0.01419 | 0.01422 | 0.0215 | 0.0225 |
| 0.05 | 0.225 | 0.022944 | 0.015037 | 0.013643 | -0.0581 | 0.0215 | 0.0239 |
| 0.05 | 0.225 | 0.018746 | 0.019121 | 0.013199 | -0.05789 | 0.0213 | 0.0239 |
| 0.05 | 0.05 | 0.042536 | 0.041844 | 0.01938 | 0.011102 | 0.0241 | 0.0226 |
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| 0.2125 | 0.225 | 0.012191 | 0.011324 | 0.005658 | 0.012083 | 0.0221 | 0.0225 |
| 0.05 | 0.225 | 0.045833 | 0.042801 | 0.022026 | 0.016382 | 0.0242 | 0.0209 |
| 0.05 | 0.225 | 0.014539 | 0.013379 | 0.03326 | -0.05816 | 0.0242 | 0.0239 |
| 0.05 | 0.05 | 1.842754 | 1.851109 | 0.02723 | -0.01368 | 0.0215 | 0.0234 |
| 0.2625 | 0.225 | 0.01866 | 0.010826 | 0.010803 | -0.05841 | 0.0195 | 0.0239 |
| 0.2125 | 0.225 | 0.005478 | 0.002011 | -0.00463 | -0.03717 | 0.0214 | 0.0239 |
| 0.2125 | 0.225 | 0.005205 | 0.001767 | 0.000531 | -0.03617 | 0.0221 | 0.001 |
| 0.2125 | 0.225 | 0.008186 | 3.88E-07 | 0.01224 | 0.013073 | 0.0247 | 0.0135 |
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| 0.05 | 0.05 | 0.023908 | 0.023306 | 0.018539 | 0.004969 | 0.0202 | 0.0226 |
| 0.2125 | 0.225 | 0.012638 | 0.011516 | 0.007637 | 0.014536 | 0.0215 | 0.0225 |
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| 0.05 | 0.05 | 0.033099 | 0.033057 | 0.017914 | -0.04353 | 0.0224 | 0.0226 |
| 0.05 | 0.225 | 0.012346 | -0.00199 | 0.013945 | -0.05816 | 0.0218 | 0.001 |
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| 0.05 | 0.225 | 0.02212 | 0.018965 | 0.01802 | 0.008293 | 0.0224 | 0.021 |
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| 0.2625 | 0.225 | 0.049448 | 0.036176 | 0.020347 | 0.021365 | 0.0195 | 0.0225 |
| 0.05 | 0.05 | 0.356942 | 0.359282 | 0.023274 | 0.020159 | 0.0215 | 0.0223 |
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| 0.05 | 0.05 | 0.103999 | 0.105048 | 0.020955 | 0.012843 | 0.0241 | 0.0222 |
| 0.05 | 0.05 | 0.844454 | 0.844337 | 0.025795 | 0.000313 | 0.0215 | 0.0226 |
| 0.2125 | 0.225 | 0.005866 | -0.00886 | 0.011111 | 0.016296 | 0.0247 | 0.0225 |
| 0.05 | 0.05 | 0.10245 | 0.102947 | 0.020947 | 0.010108 | 0.0241 | 0.0226 |
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| 0.2125 | 0.225 | 0.005303 | -0.00274 | 0.004478 | -0.03539 | 0.0221 | 0.001 |
| 0.2625 | 0.349 | 9.09616 | 9.118142 | 0.034491 | -0.1052 | 0.0215 | 0.0255 |
| 0.2625 | 0.05 | 0.785604 | 0.816868 | 0.035319 | -0.04666 | 0.0215 | 0.0226 |
| 0.05 | 0.05 | 0.671339 | 0.675279 | 0.019997 | 0.024817 | 0.0241 | 0.0225 |
| 0.2625 | 0.225 | 0.883821 | 0.880353 | 0.010231 | -0.06141 | 0.0212 | 0.0229 |
| 0.2625 | 0.349 | 6.919327 | 6.945776 | 0.00938 | -0.08818 | 0.0212 | 0.0255 |
| 0.2625 | 0.225 | 0.846089 | 0.842904 | 0.010162 | -0.0601 | 0.0212 | 0.0224 |
| 0.382 | 0.349 | 7.16185 | 7.179173 | 0.012326 | -0.09859 | 0.0226 | 0.0255 |
| 0.2625 | 0.225 | 0.945303 | 0.94349 | 0.009658 | -0.06012 | 0.0235 | 0.0229 |
| 0.2625 | 0.05 | 0.373528 | 0.383608 | 0.009096 | -0.04901 | 0.0212 | 0.0223 |
| 0.2625 | 0.225 | 0.063014 | 0.05562 | 0.014447 | -0.05349 | 0.0215 | 0.0226 |
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| 0.2625 | 0.225 | 0.054785 | 0.04724 | 0.014298 | -0.05379 | 0.0218 | 0.0239 |
| 0.05 | 0.05 | 0.460305 | 0.46433 | 0.021374 | 0.020999 | 0.0241 | 0.0223 |
| 0.382 | 0.349 | 0.041972 | 0.0348 | 0.029855 | 0.02318 | 0.0226 | 0.0225 |
| 0.382 | 0.349 | 11.4282 | 11.4552 | 0.0365 | -0.11111 | 0.0226 | 0.0255 |
| 0.2625 | 0.225 | 3.048716 | 3.057682 | 0.005921 | -0.09288 | 0.0212 | 0.0238 |
| 0.2625 | 0.349 | 12.524 | 12.5511 | 0.035871 | -0.11862 | 0.0215 | 0.0301 |
| 0.2625 | 0.225 | 1.612981 | 1.610383 | 0.001919 | -0.05607 | 0.0212 | 0.0229 |
| 0.05 | 0.05 | 0.294202 | 0.288847 | 0.046674 | 0.017109 | 0.0234 | 0.0223 |
| 0.2625 | 0.05 | 1.144992 | 1.144997 | 0.018258 | 0.025127 | 0.0251 | 0.023 |
| 0.2625 | 0.225 | 0.127119 | 0.11991 | 0.015408 | -0.05705 | 0.0225 | 0.0226 |
| 0.05 | 0.225 | 0.042112 | 0.039941 | 0.015921 | -0.05273 | 0.0241 | 0.0239 |
| 0.05 | 0.225 | 0.116847 | 0.113293 | 0.022334 | 0.021449 | 0.0242 | 0.0226 |
| 0.382 | 0.349 | 7.549541 | 7.578432 | 0.010822 | -0.08613 | 0.0226 | 0.0255 |
| 0.2625 | 0.05 | 0.583085 | 0.595301 | 0.00789 | -0.05132 | 0.0251 | 0.0232 |
| 0.2625 | 0.225 | 0.10881 | 0.101731 | 0.008454 | -0.05752 | 0.0236 | 0.0224 |
| 0.2625 | 0.225 | 0.101932 | 0.094958 | 0.020866 | 0.020915 | 0.0206 | 0.0226 |
| 0.2625 | 0.225 | 0.113682 | 0.106418 | 0.021067 | 0.013923 | 0.023 | 0.0222 |
| 0.2625 | 0.225 | 0.609268 | 0.603864 | 0.010462 | -0.05297 | 0.0212 | 0.0232 |
| 0.05 | 0.05 | 0.784498 | 0.792061 | 0.013634 | -0.05421 | 0.0215 | 0.0226 |
| 0.05 | 0.05 | 5.877811 | 5.903869 | 0.010725 | -0.04756 | 0.0212 | 0.0255 |
| 0.2625 | 0.225 | 1.346343 | 1.347062 | 0.007878 | -0.06269 | 0.0251 | 0.0229 |
| 0.2625 | 0.349 | 3.003834 | 3.015559 | 0.006 | -0.07736 | 0.0202 | 0.0238 |
| 0.2625 | 0.225 | 0.081122 | 0.067548 | 0.020647 | 0.022424 | 0.0195 | 0.0221 |