

PRE PROCESS

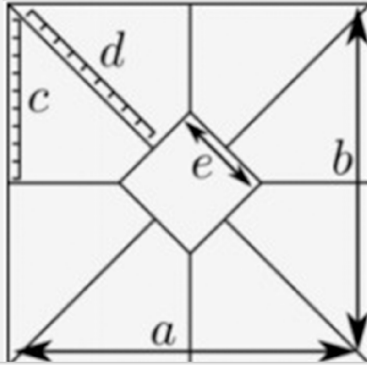
INCLUSION SHAPE

Circle

Square

Rhombus

Element Parameters



a

b

c

d

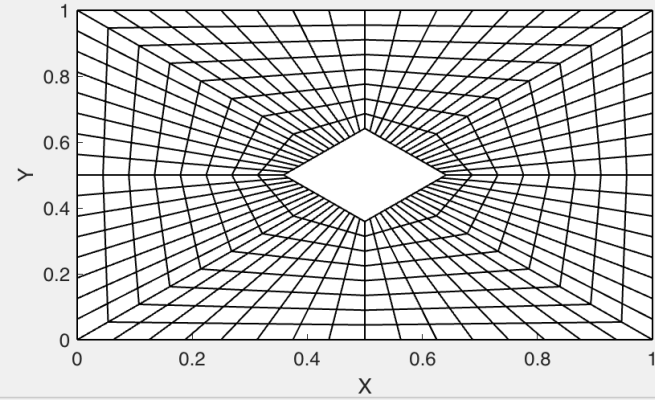
e

Inclusion ☒ Void

Element Type

D2QU4N ▼

Generate



Reset

Number of Nodes

576

Number of Elements

512

PROCESS

Material Properties

Matrix

E

v

Inclusion

E

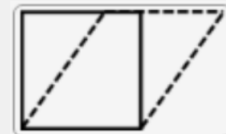
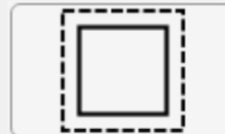
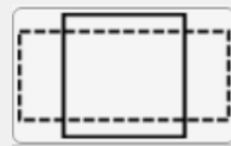
v

Deformation Type

☒ Extension

☐ Expansion

☐ Shear



Deformation Magnitude

Show ENL&Stiffness Table

ENL ▼

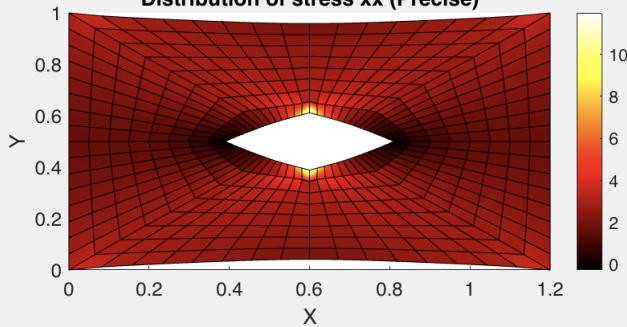
RUN



Done!
Elapsed Time:
1.3801 second

POST PROCESS

Distribution of stress xx (Precise)



Stress_xx ▼

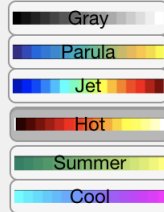
Off ☒ On

Display Edges

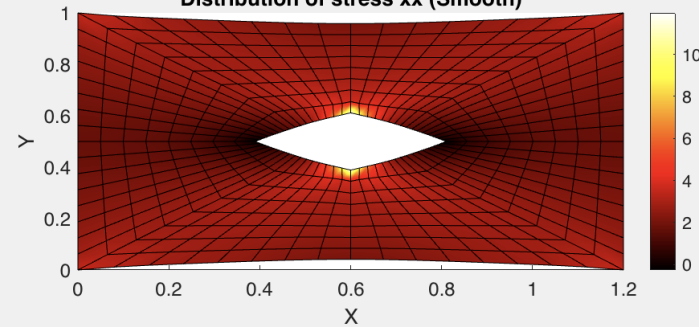
Scale



Colorbar



Distribution of stress xx (Smooth)



Save Figures

png ▼

Reset

PRE PROCESS

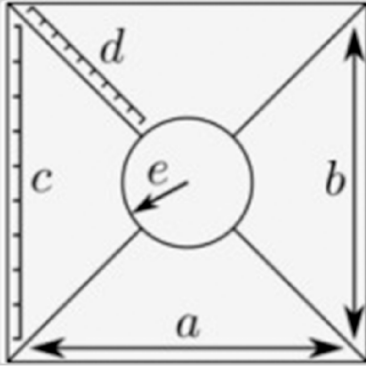
INCLUSION SHAPE

Circle

Square

Rhombus

Element Parameters



a

b

c

d

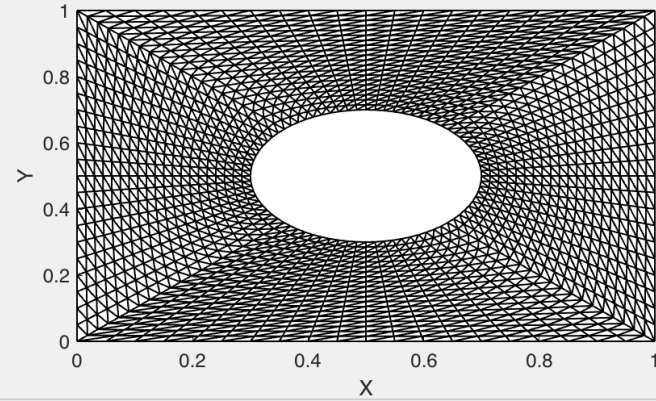
e

Inclusion ☒ Void

Element Type

D2TR3N ▼

Generate



Reset

Number of Nodes

1680

Number of Elements

3200

PROCESS

Material Properties

Matrix

E

v

Inclusion

E

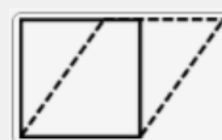
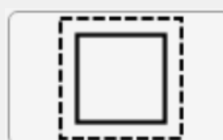
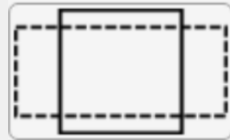
v

Deformation Type

☐ Extension

☐ Expansion

☒ Shear



Deformation Magnitude

Show ENL&Stiffness Table

ENL ▼

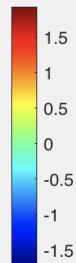
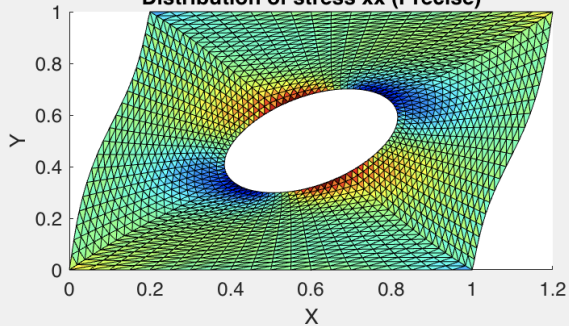
RUN



Done!
Elapsed Time:
2.6823 second

POST PROCESS

Distribution of stress xx (Precise)

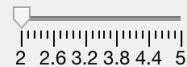


Stress_xx ▼

Off ☒ On

Display Edges

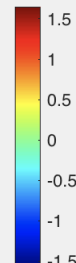
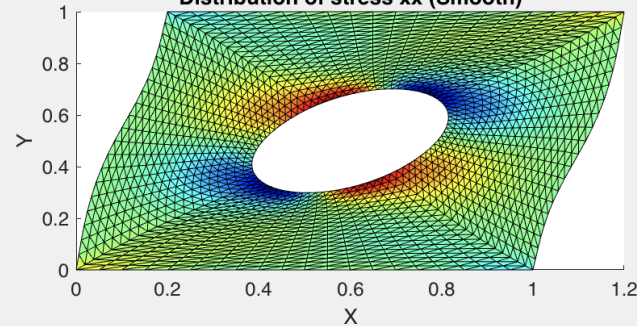
Scale



Colorbar



Distribution of stress xx (Smooth)



Save Figures

png ▼

Reset

PRE PROCESS

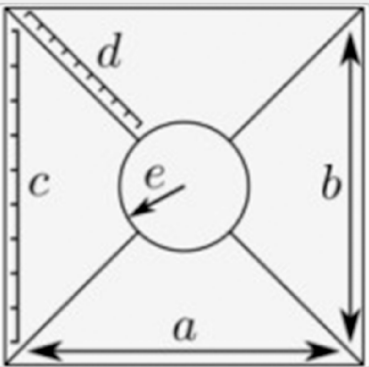
INCLUSION SHAPE

Circle

Square

Rhombus

Element Parameters



a 1

b 1

c 8

d 8

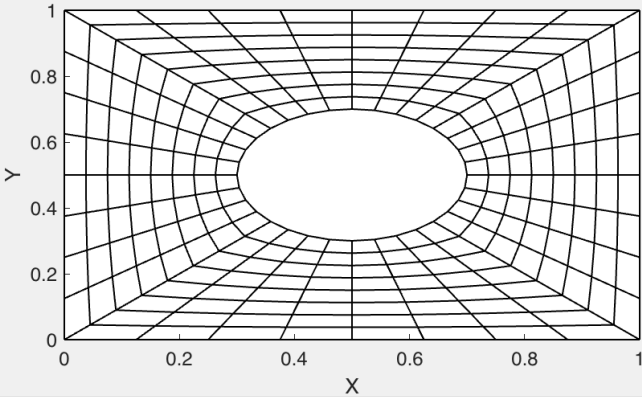
e 0.2

Inclusion ☒ Void

Element Type

D2QU4N

Generate



Reset

Number of Nodes

288

Number of Elements

256

PROCESS

Material Properties

Matrix

E 1

v 0.3

Inclusion

E 10

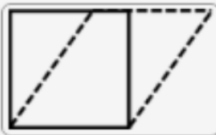
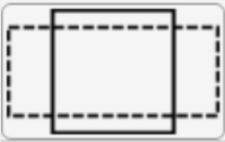
v 0.3

Deformation Type

☒ Extension

☐ Expansion

☐ Shear



Deformation Magnitude 0.1

Show ENL&Stiffness Table

ENL

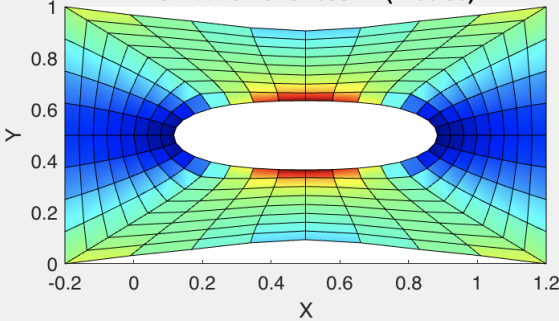
RUN



Done!
Elapsed Time:
0.90179 second

POST PROCESS

Distribution of stress xx (Precise)



Stress_xx

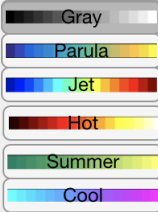
Off ☒ On

Display Edges

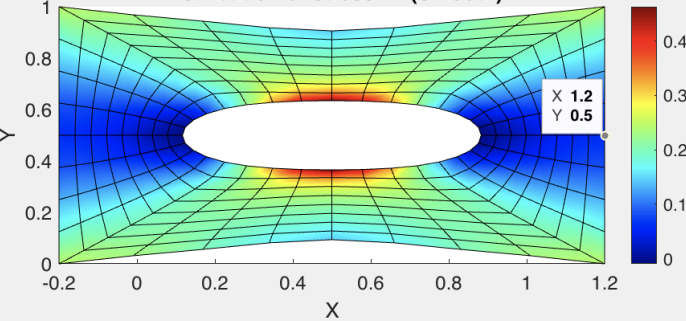
Scale



Colorbar



Distribution of stress xx (Smooth)



Save Figures

png

Reset

PRE PROCESS

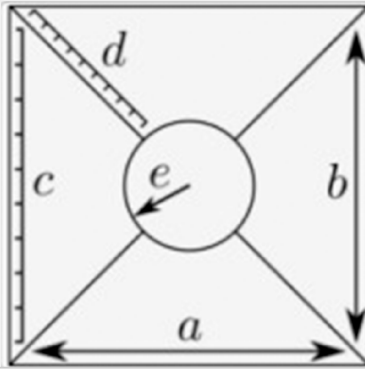
INCLUSION SHAPE

Circle

Square

Rhombus

Element Parameters



a

b

c

d

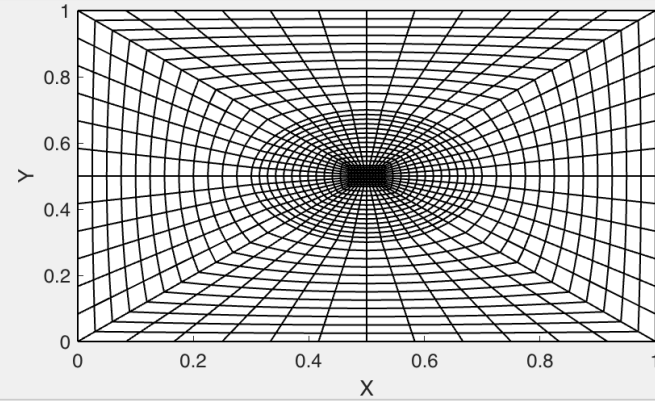
e

Inclusion ☒ Void

Element Type

D2QU4N ▼

Generate



Reset

Number of Nodes

1321

Number of Elements

1296

PROCESS

Material Properties

Matrix

E

v

Inclusion

E

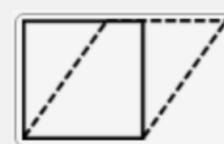
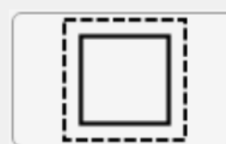
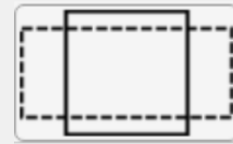
v

Deformation Type

☒ Extension

☐ Expansion

☐ Shear



Deformation Magnitude

Show ENL&Stiffness Table

ENL ▼

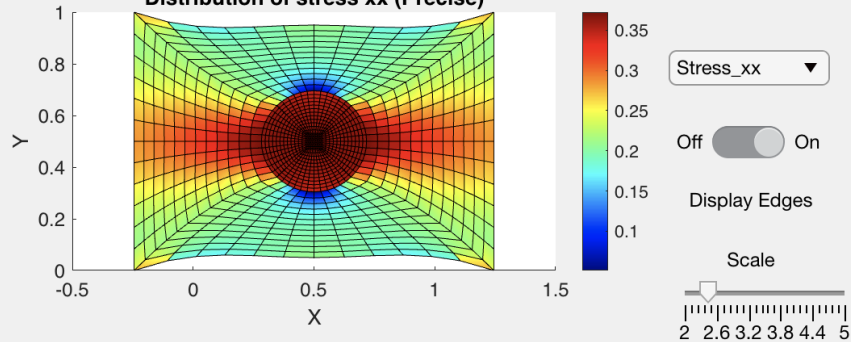
RUN



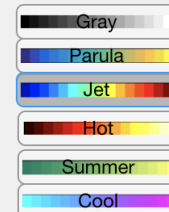
Done!
Elapsed Time:
16.2387 second

POST PROCESS

Distribution of stress xx (Precise)



Colorbar



Distribution of stress xx (Smooth)

