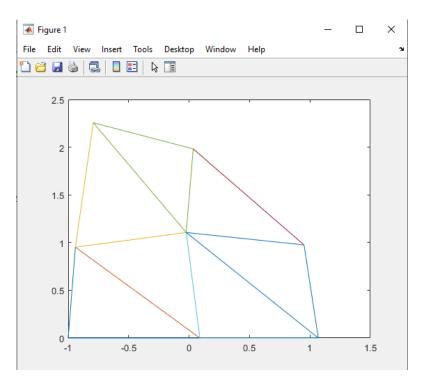
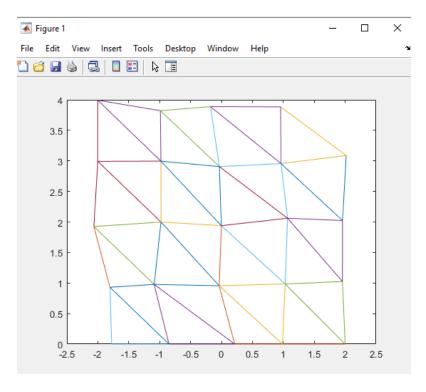
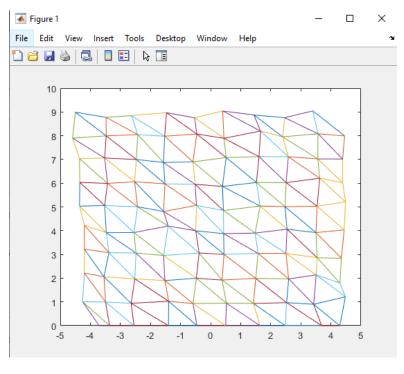
## Assignment 4: The Finite Element Method

## Screenshots









10x10

## Referenced Materials:

https://www.continuummechanics.org/deformationgradient.html

http://what-when-how.com/the-finite-element-method/fem-for-two-dimensional-solids-finite-element-met

hod-part-1/ - I donno what is this but somehow it actually teach me something

https://mycourseville-default.s3.ap-southeast-1.amazonaws.com/useruploaded course files/2020 2/2283

5/materials/08 FEM-14532-16171199284097.pdf "greatest slide of all time" - 2021

## Problems:

>> fem2D
Warning: Failure at t=8.1568lle-02. Unable to meet integration tolerances without reducing the step size below the smallest value allowed (2.220446e-16) at time t.

In fem2D
In fem2D
In fem2D

Error might happen from the formula that i use for calculating stress i think

Soln - may try refracting code perhaps

Extra credits: Nope I'm sorry

Comments: It's a bit tricky to understand the bulk of the code, but trial and error error gives me some results yay!