ADVANCED CFD ASSIGNMENT – 1 REPORT

Submitted by –
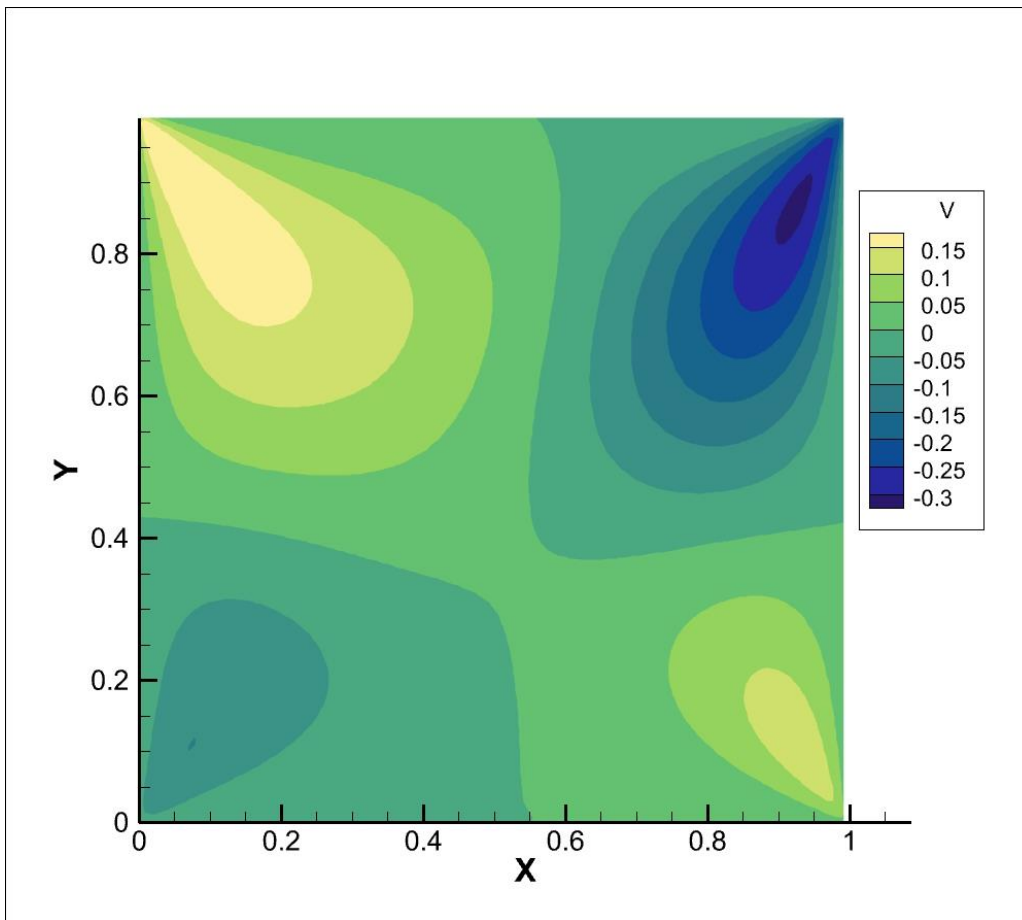
DEVRAJ SINGH GAIDU

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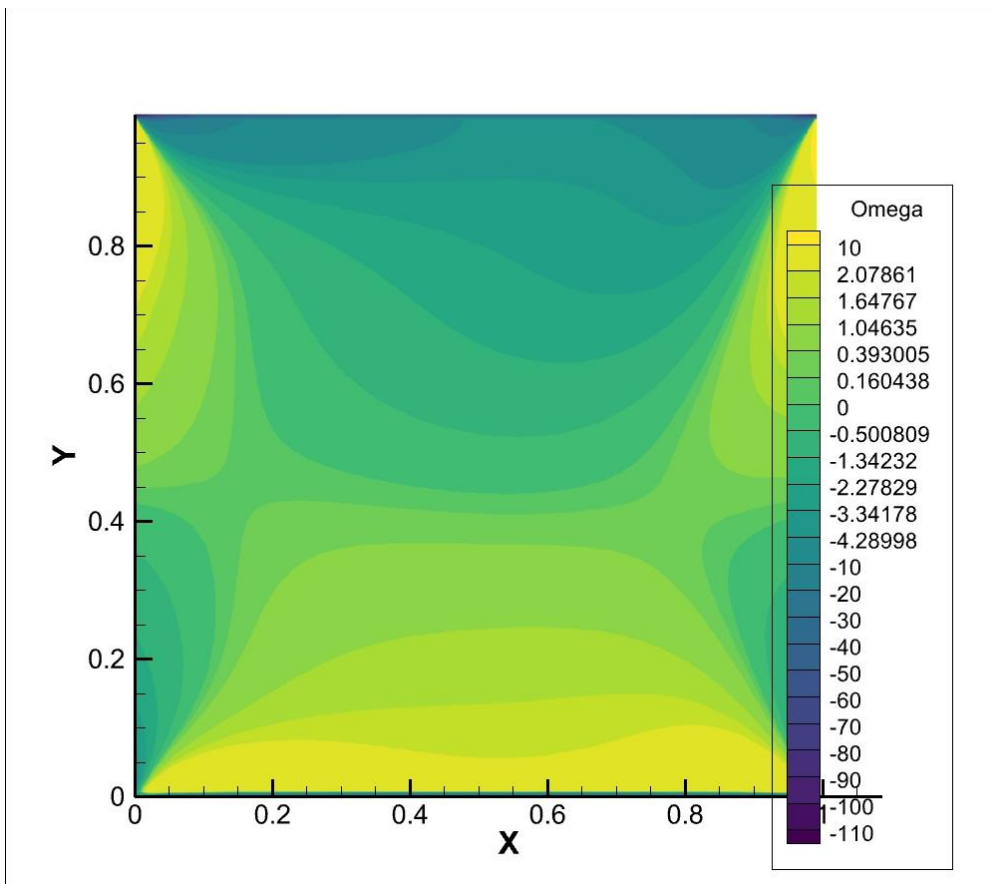
2nd Sem MTech Computational Mechanics

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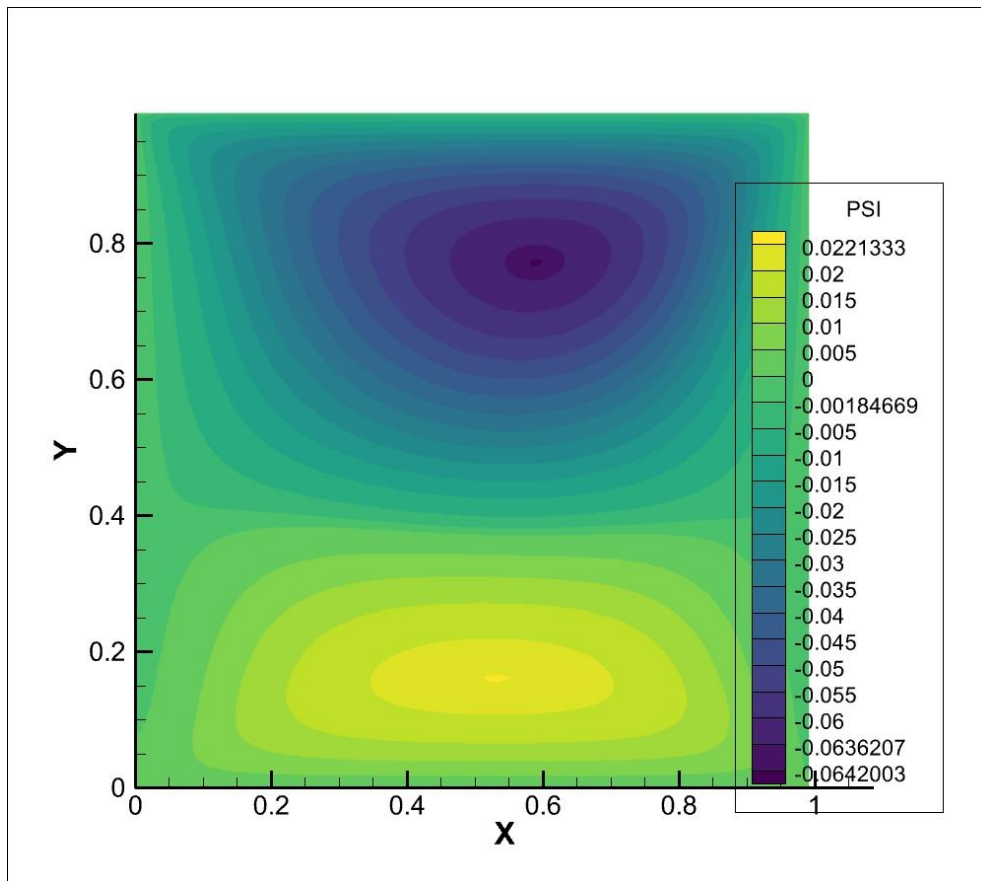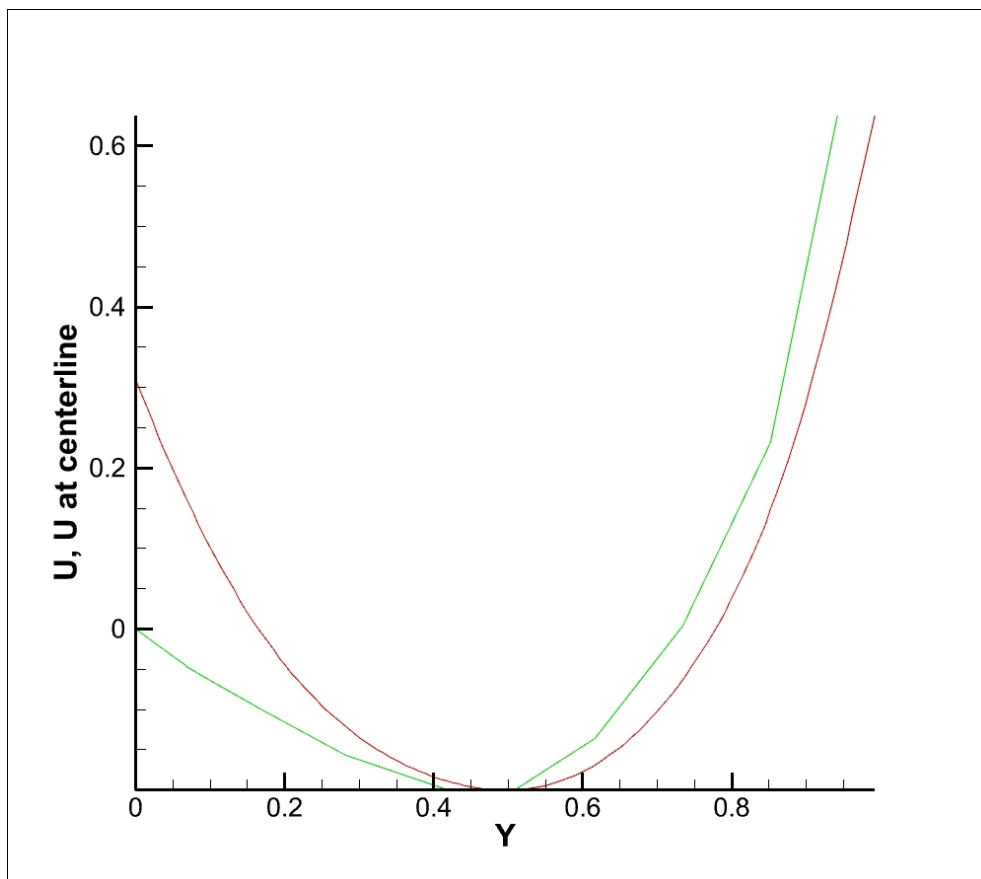
VELOCITY MAGNITUDE CONTOUR
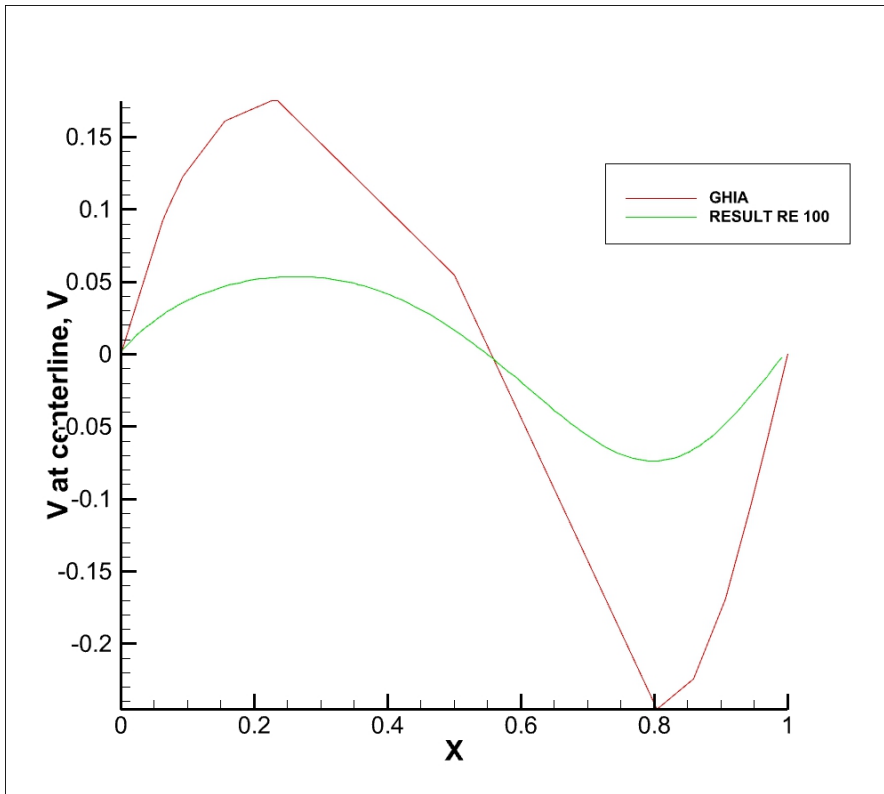

VORTICITY CONTOUR

STREAMLINE CONTOUR

U CENTRELINE VELOCITY PROFILE

V CENTRELINE VELOCITY PROFILE

PSI MIN LOCATION & VALUE(X,Y, PSI)
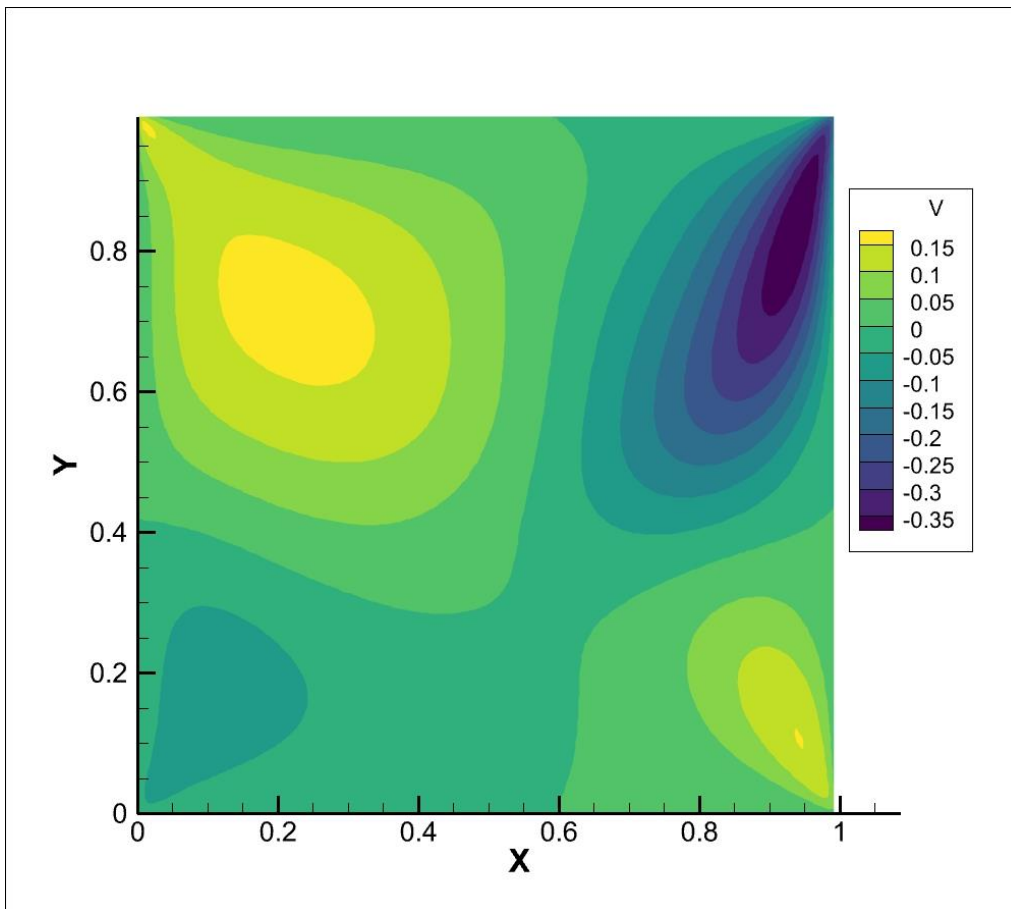
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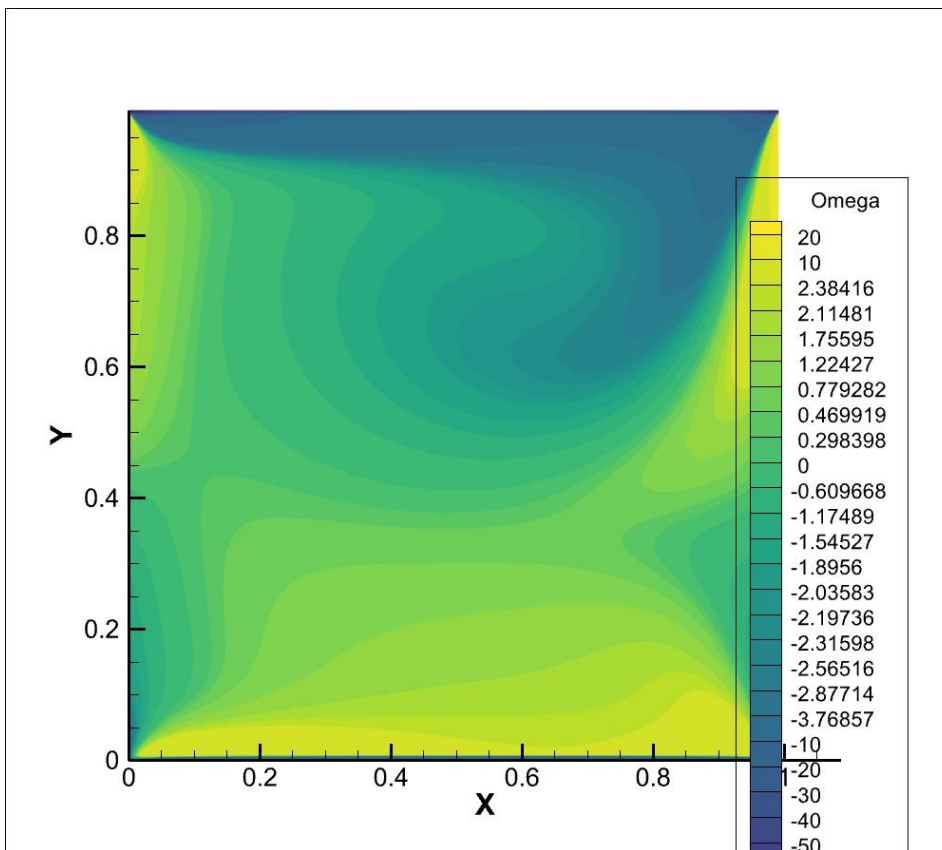**0.589147   0.775194   0.06423**

VORTICITY AT THIS POINT

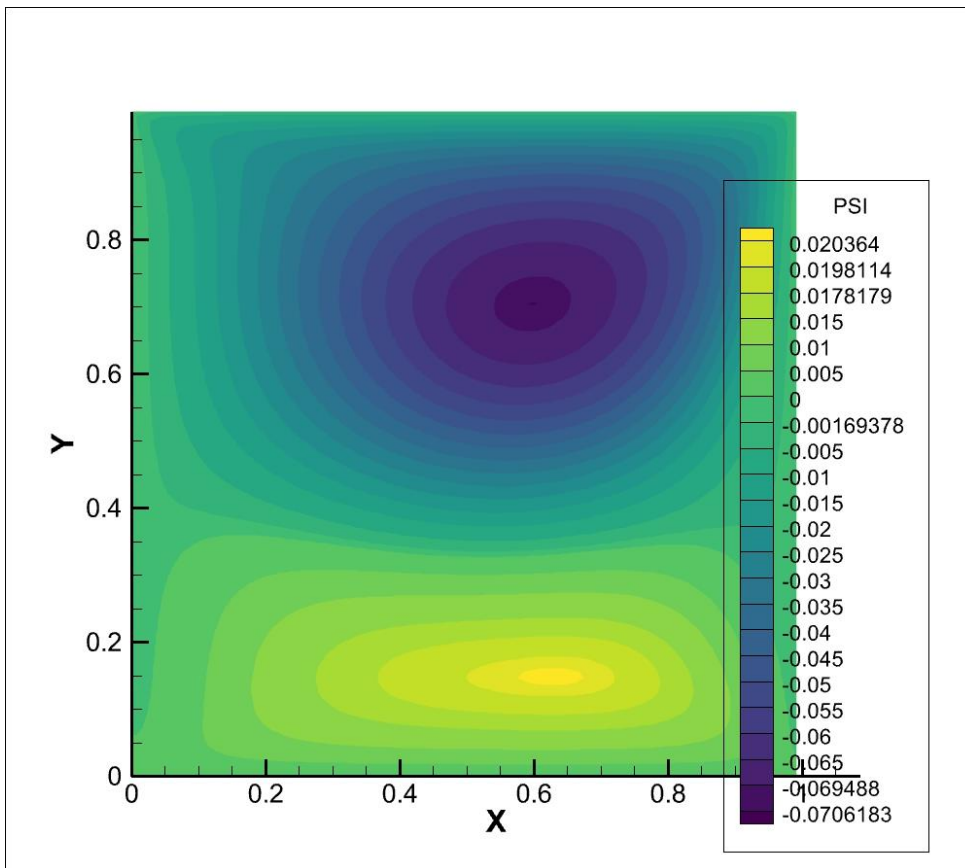0.589147   0.775194   -2.392437

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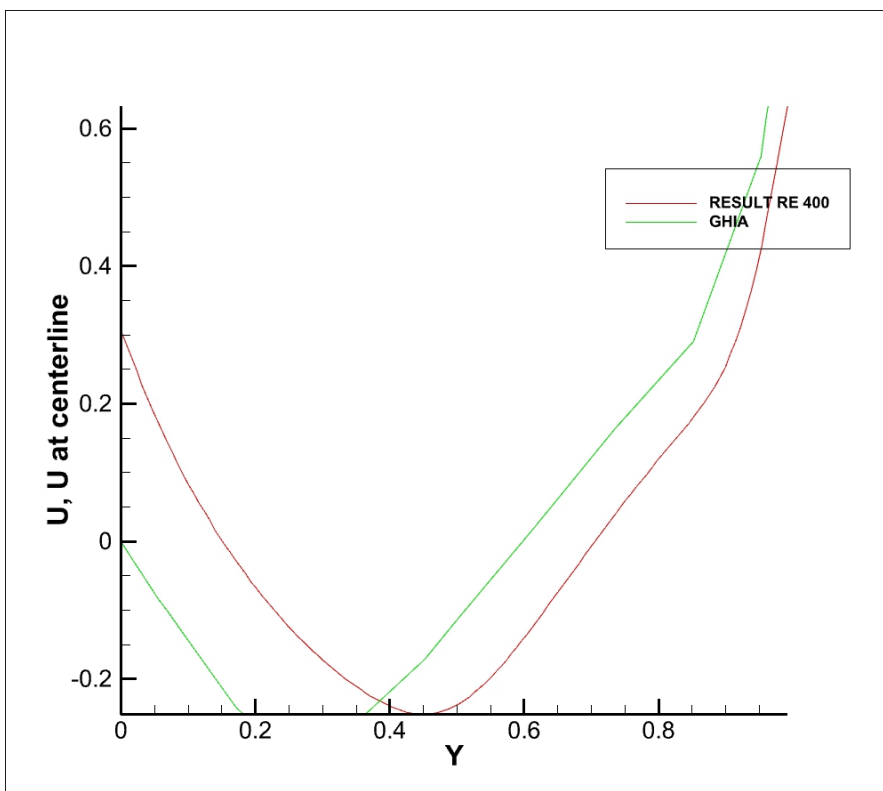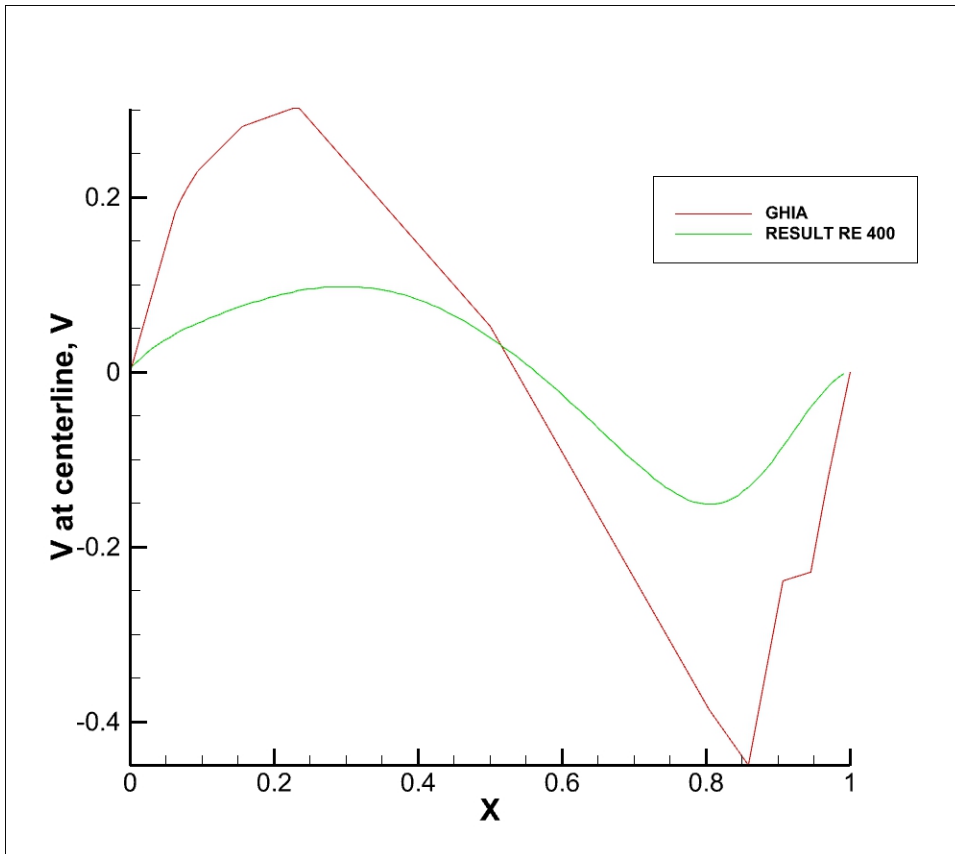

VORTICITY CONTOUR

STREAMLINE CONTOUR

U CENTRELINE VELOCITY PROFILE

V CENTRELINE VELOCITY PROFILE

PSI MIN LOCATION & VALUE(X,Y, PSI)

-

 0.596899   0.705426   0.07064

VORTICITY AT THIS POINT

0.596899   0.705426   -2.061381

REYNLODS NO. = 1000

VELOCITY MAGNITUDE CONTOUR

VORTICITY CONTOUR

STREAMLINE CONTOUR

U CENTRELINE VELOCITY PROFILE

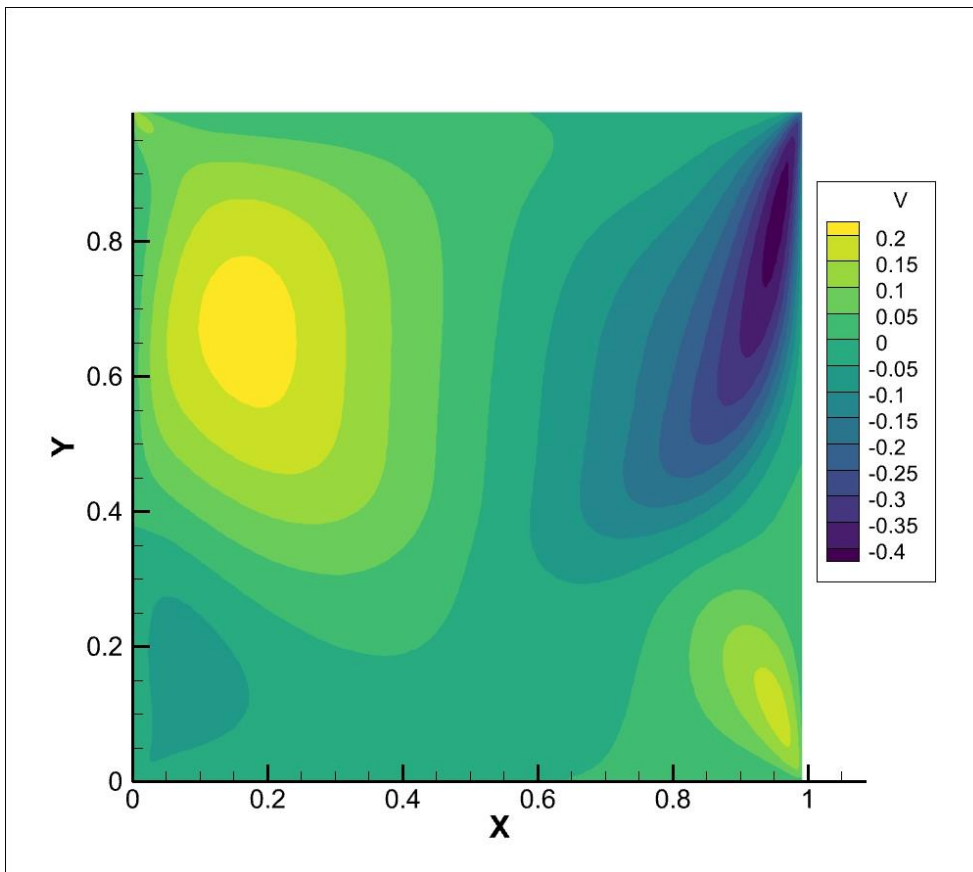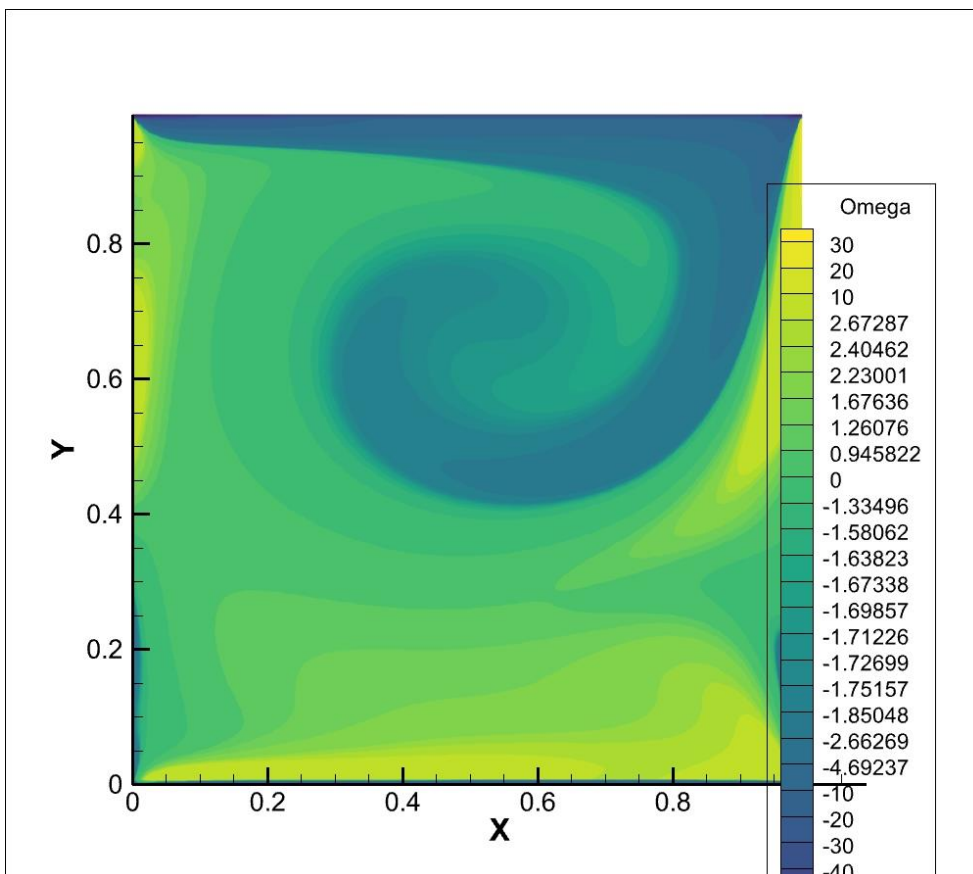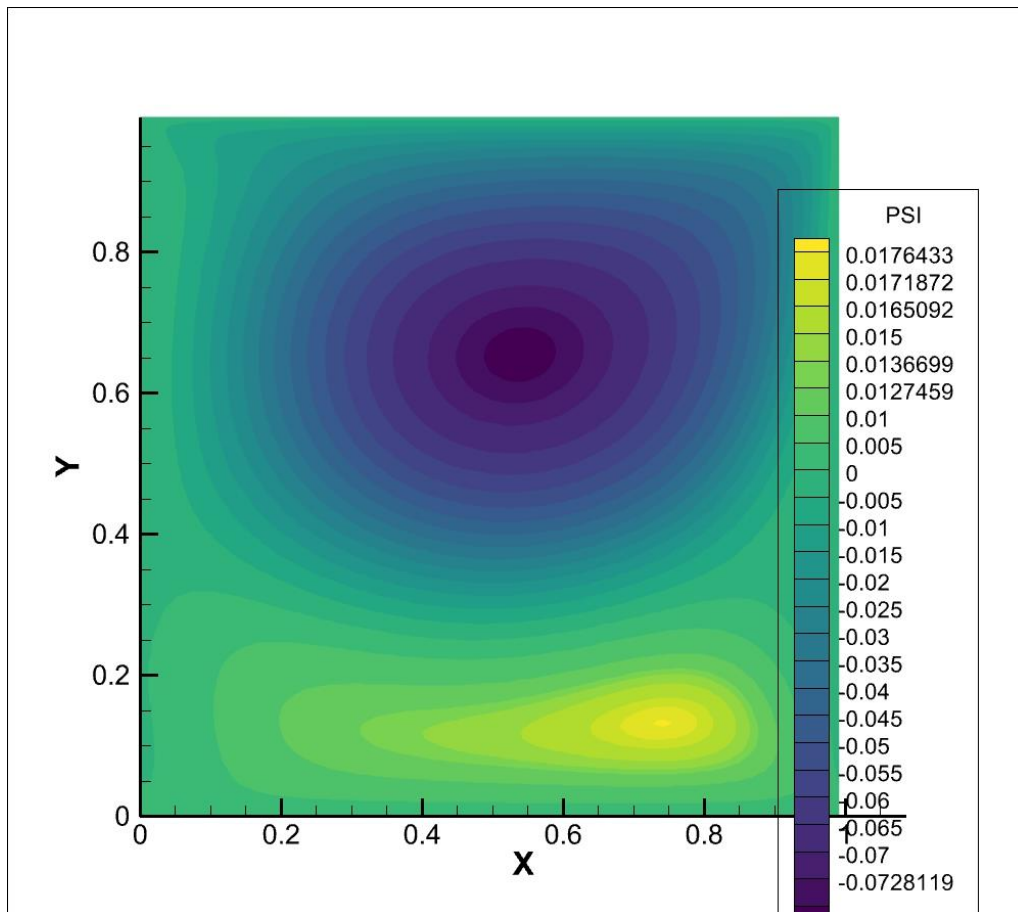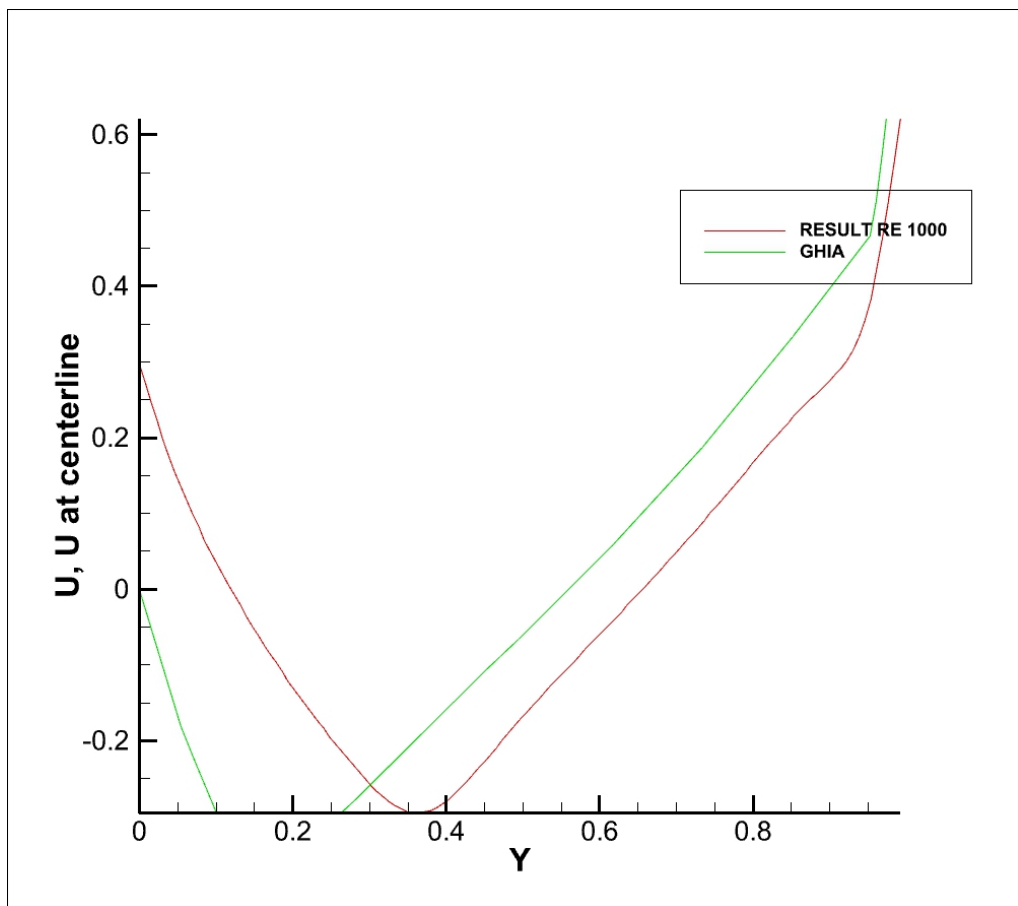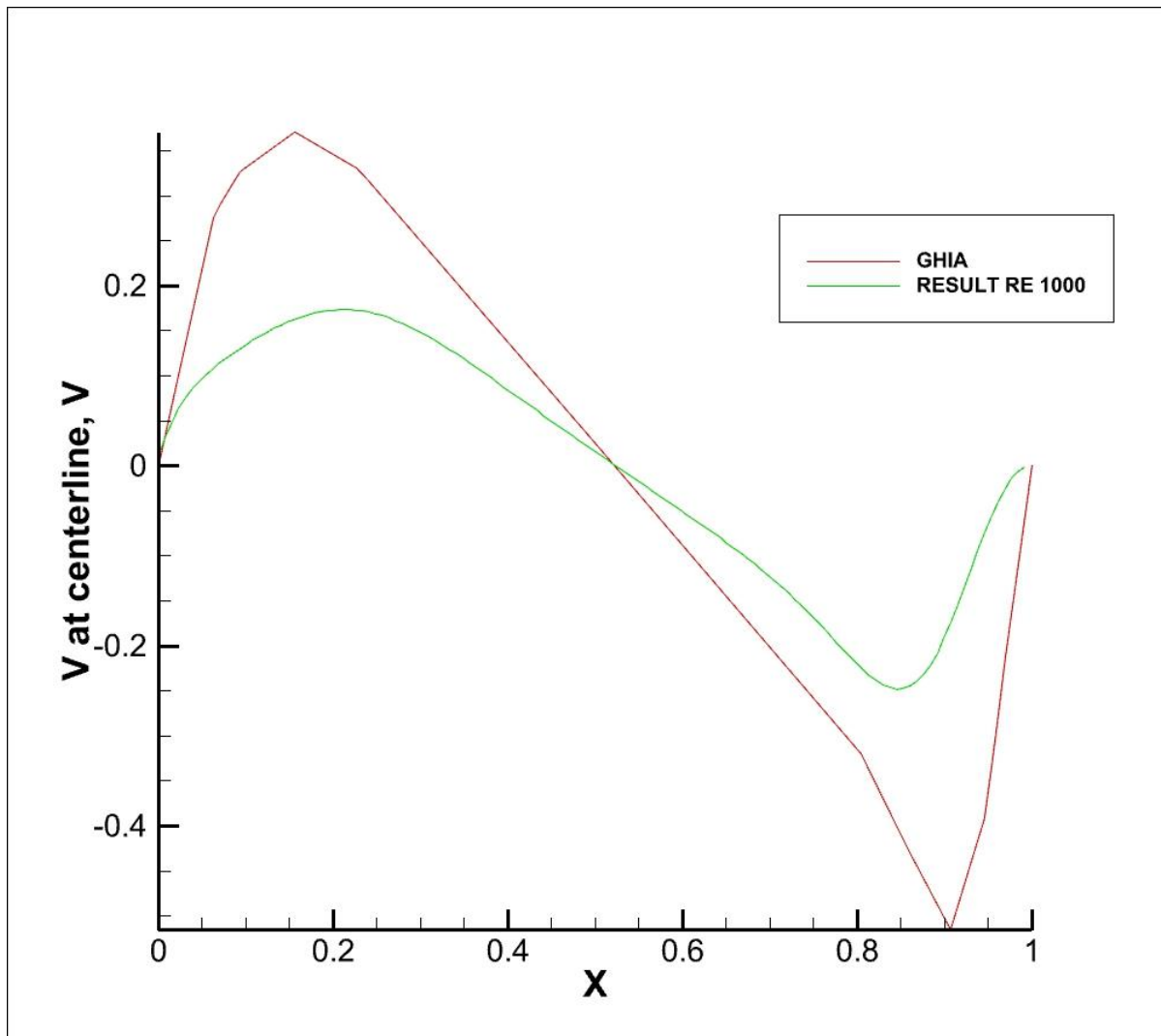## V CENTRELINE VELOCITY PROFILE

PSI MIN LOCATION & VALUE(X,Y, PSI)

                              -
 0.534884   0.651163   0.07537

VORTICITY AT THIS POINT

0 .534884   0.651163   -1.710652