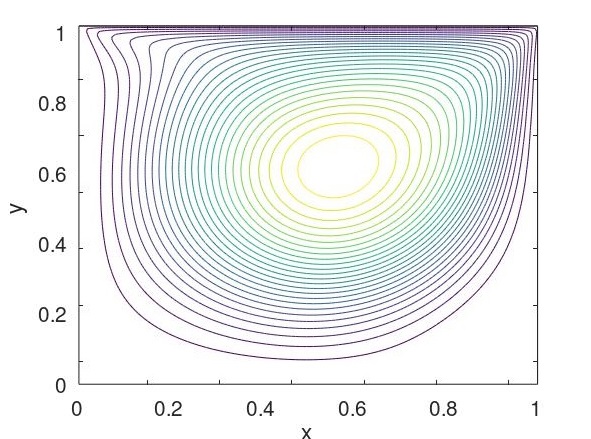
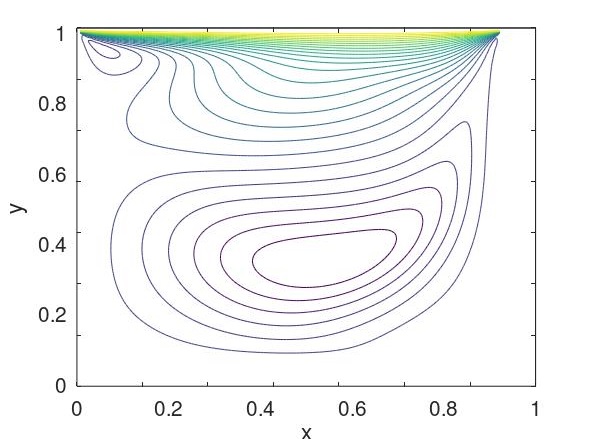
**RESULTS:**

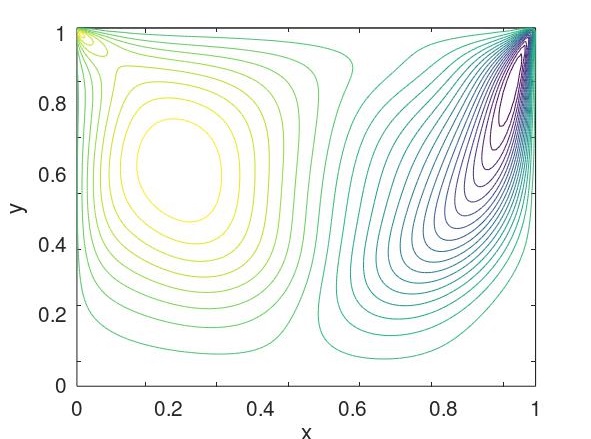
The following plots are for Reynolds number 400:

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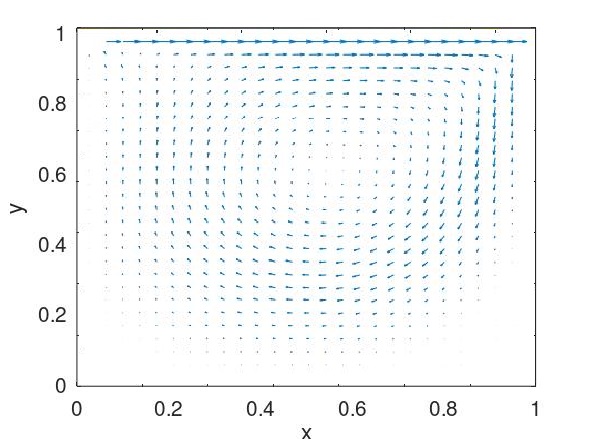
Contours of temperature for using MAC



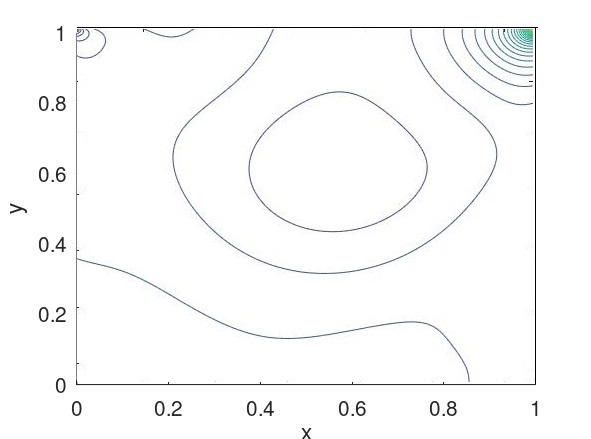
Contours of *u* velocity

****

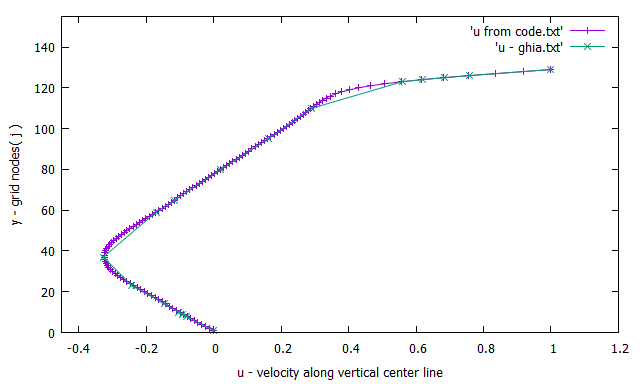
Contours of *v velocity*

****

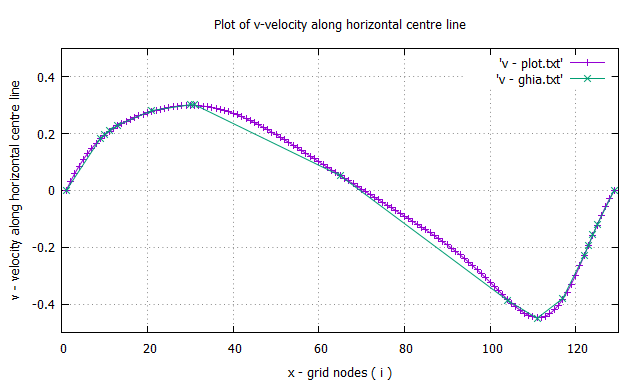
Vector plot of velocities

****

Contours of *pressure*



Comparison of *u* velocity profile along mid-vertical line with results from Ghia et al.



Comparison of *v* velocity profile along mid-horizontal line with results from Ghia et al.