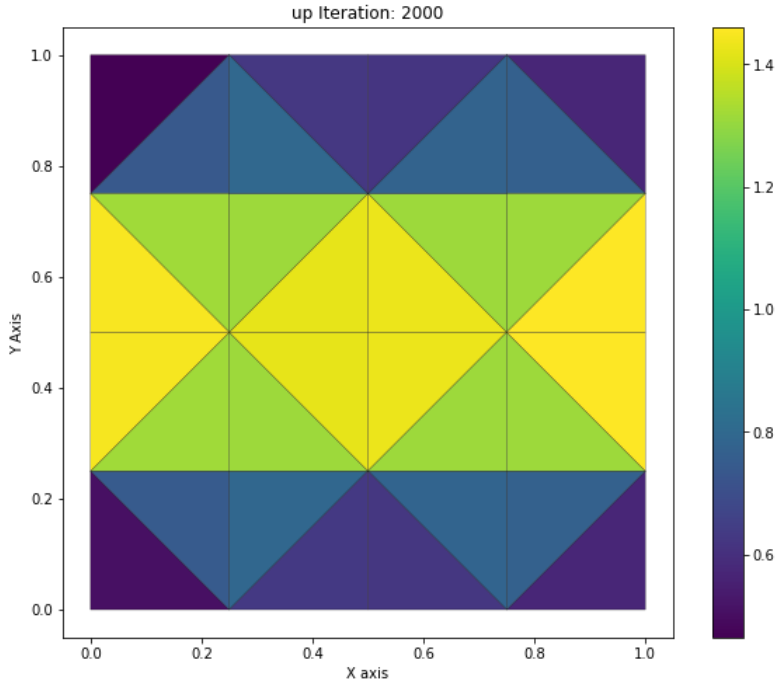
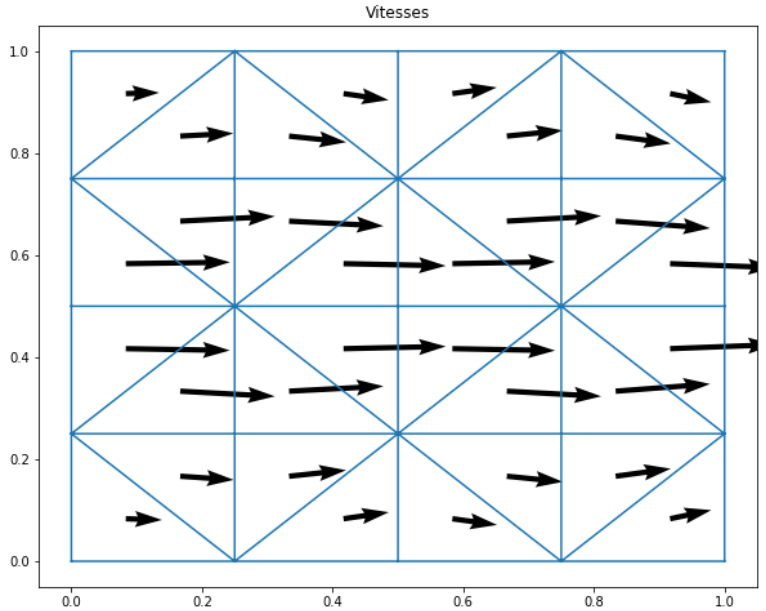
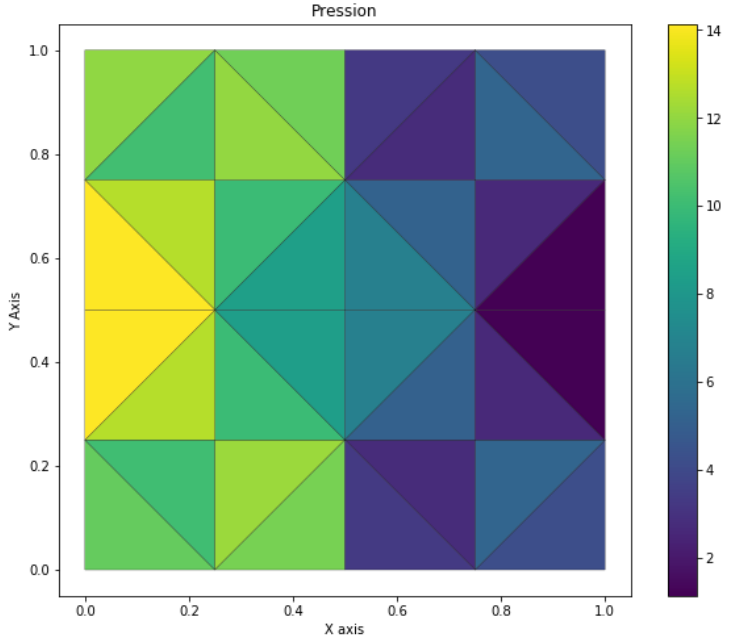
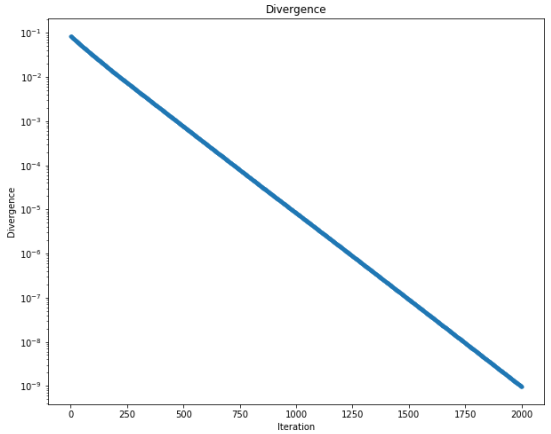
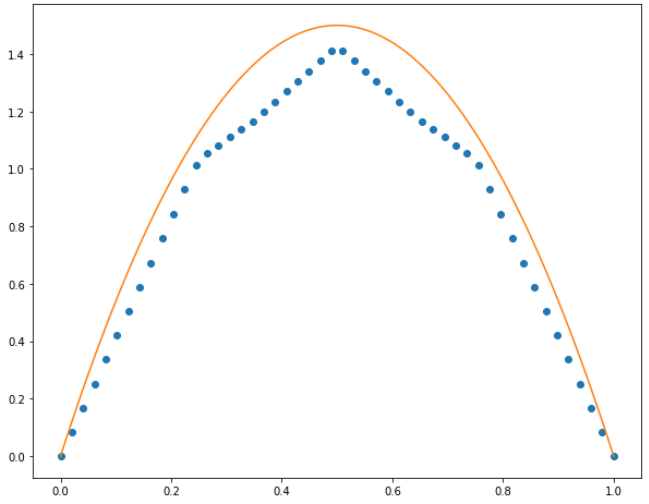
Écoulement de Poiseuille avec entrée développée, Re = 1, domaine 1x1
Schéma Upwind ,RectMesh 4,4, AlphaP=AlphaRC=0.1



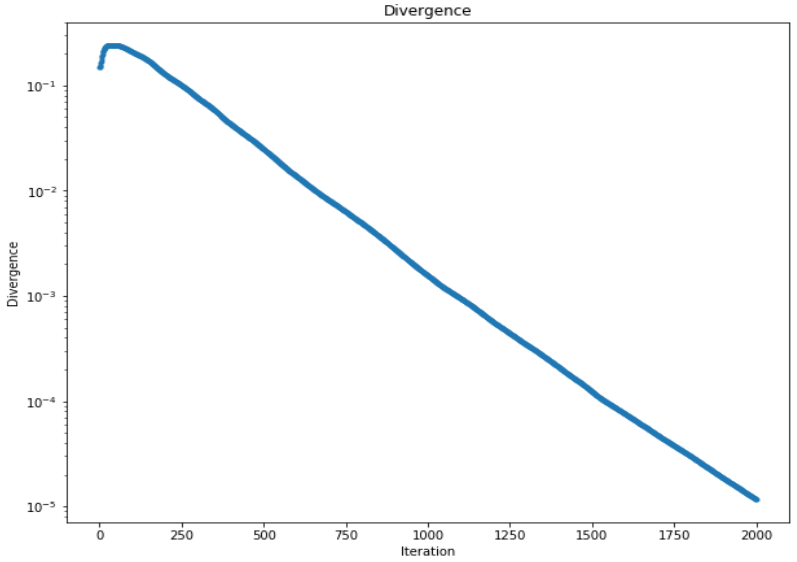


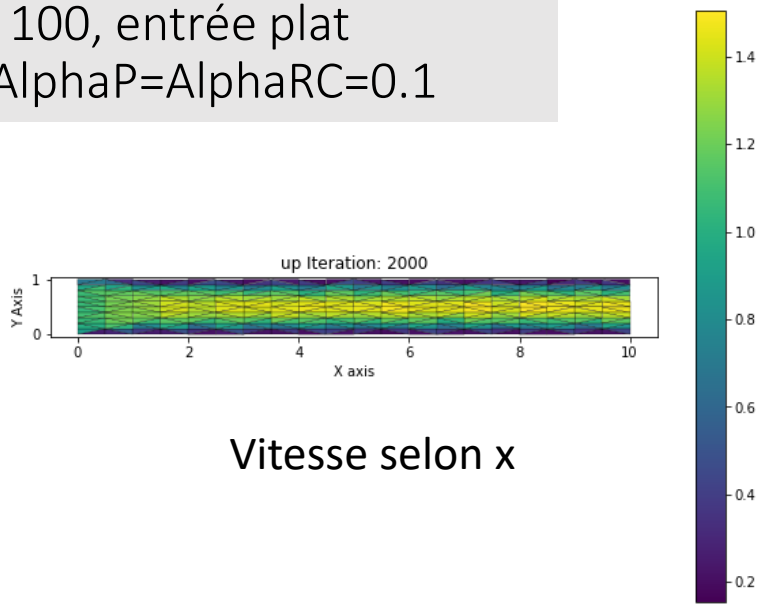




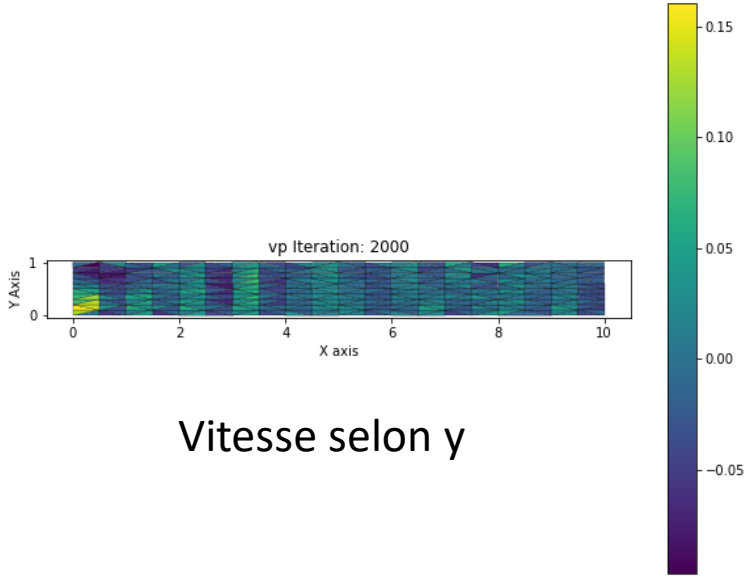


Écoulement de Poiseuille, Re = 100, entrée plat
Schéma Centré ,RectMesh 20x10, AlphaP=AlphaRC=0.1



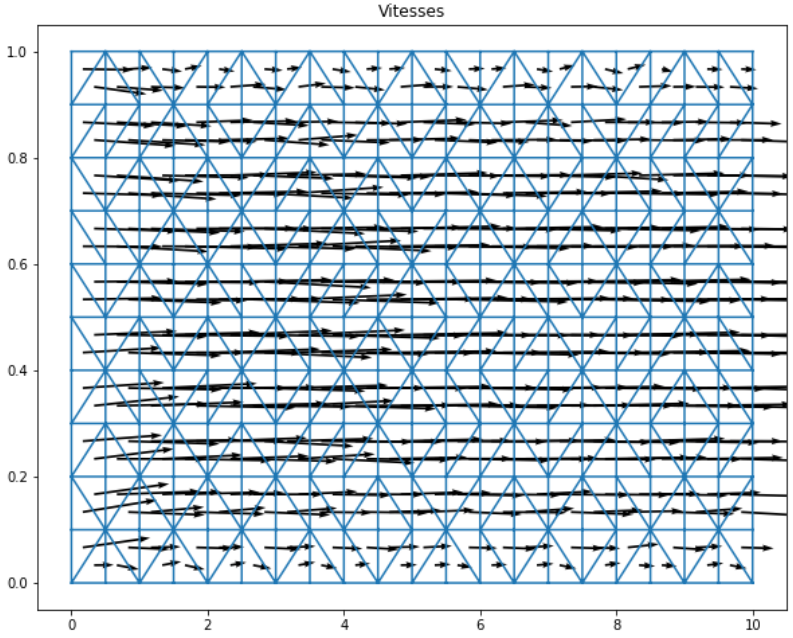


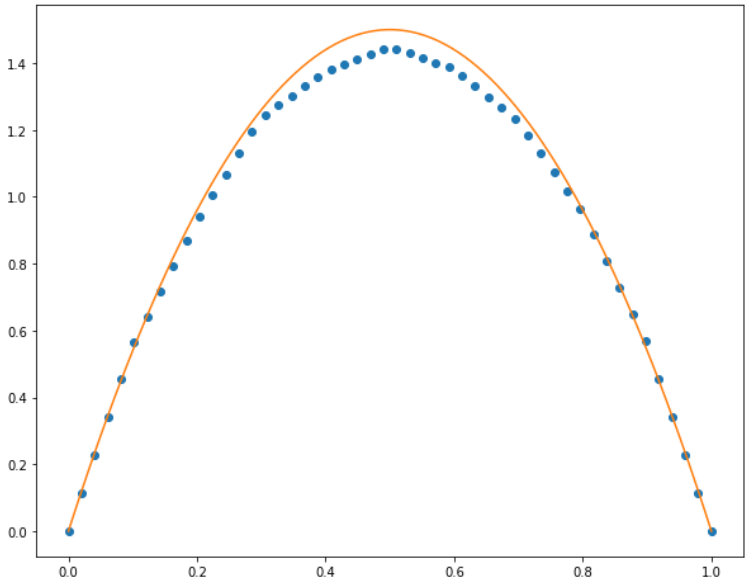
Vitesse selon x



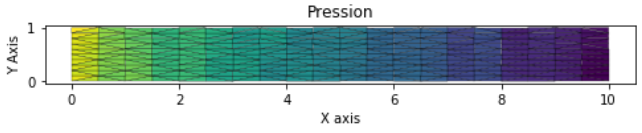
Vitesse selon y

Vitesse x près du plan de sortie

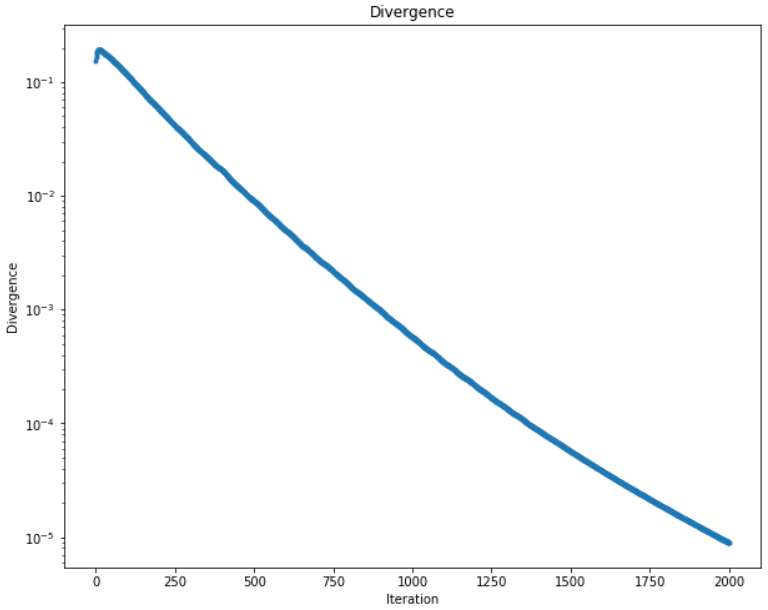


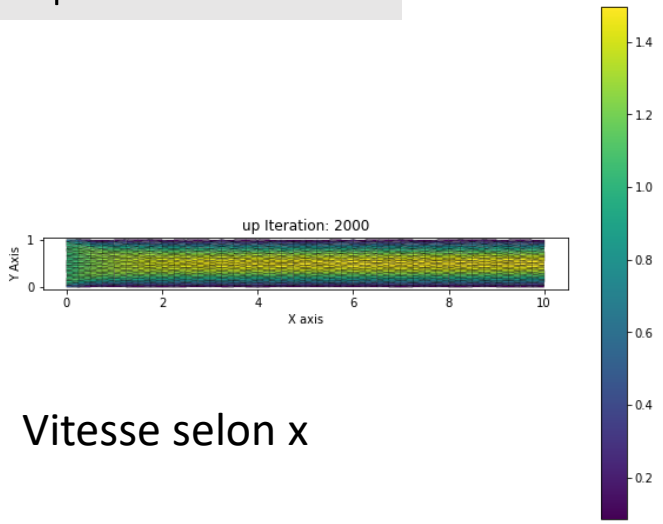


Pression

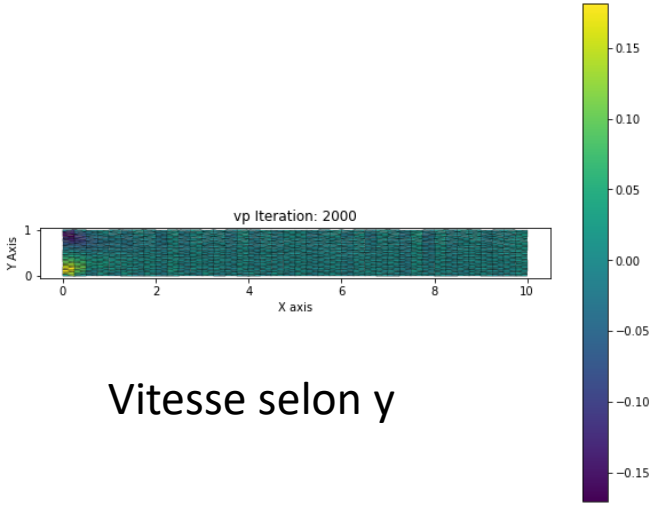


Écoulement de Poiseuille, Re = 100, entrée plat
Schéma Centré ,RectMesh 40x20, AlphaP=AlphaRC=0.1



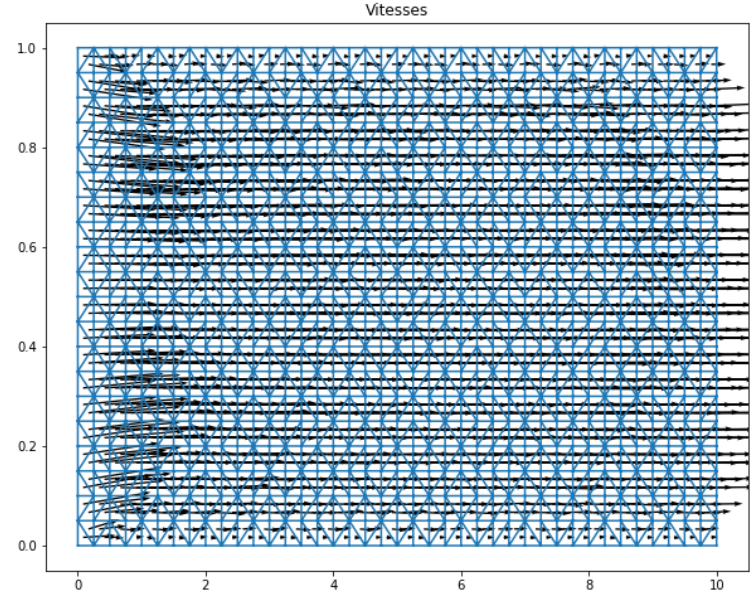


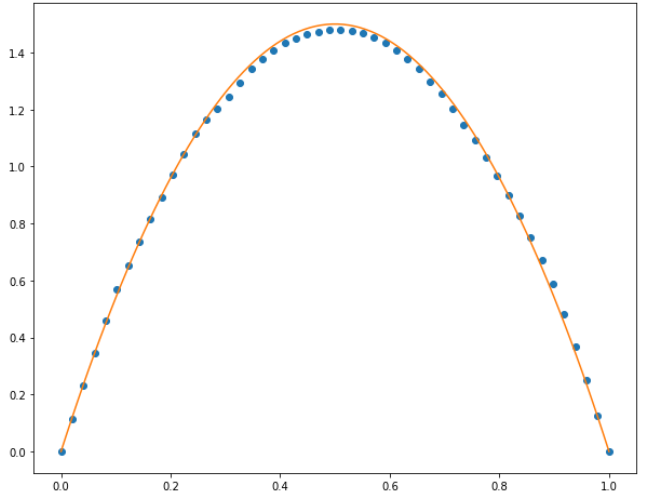
Vitesse selon x



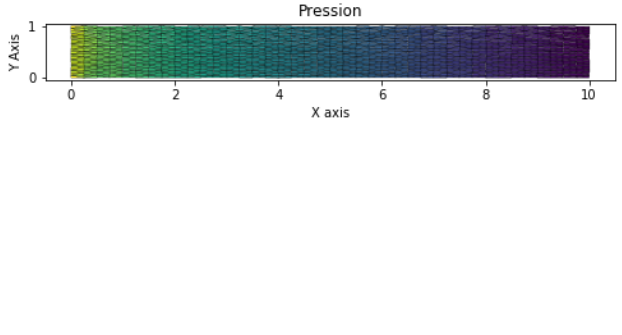
Vitesse selon y

Vitesse x près du plan de sortie

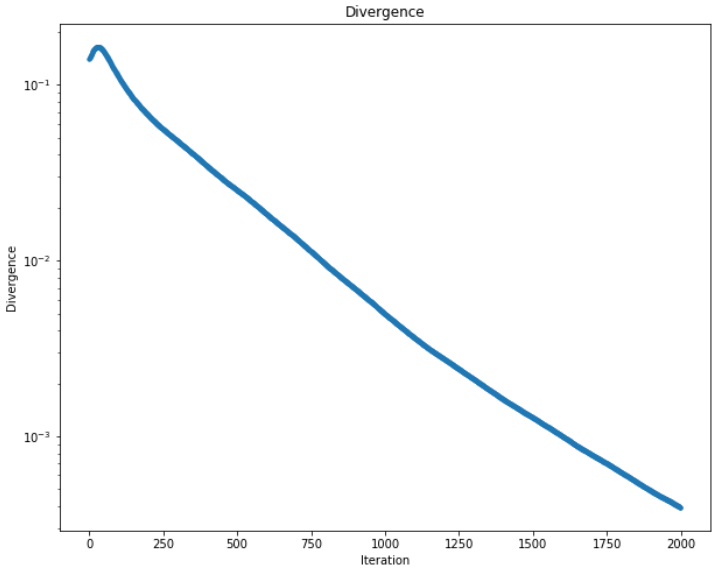




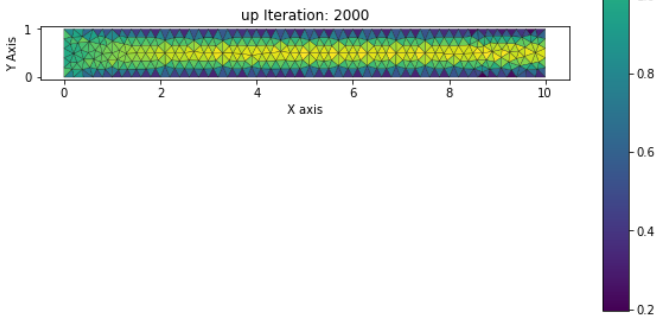
Pression



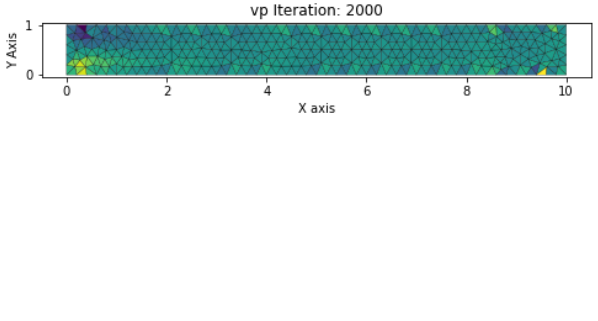
Écoulement de Poiseuille, Re = 100, entrée plat
Schéma Centré ,RectGmsh, Lc=0.2, AlphaP=AlphaRC=0.1
622 triangles, ~10 min. pour 2000 iter.

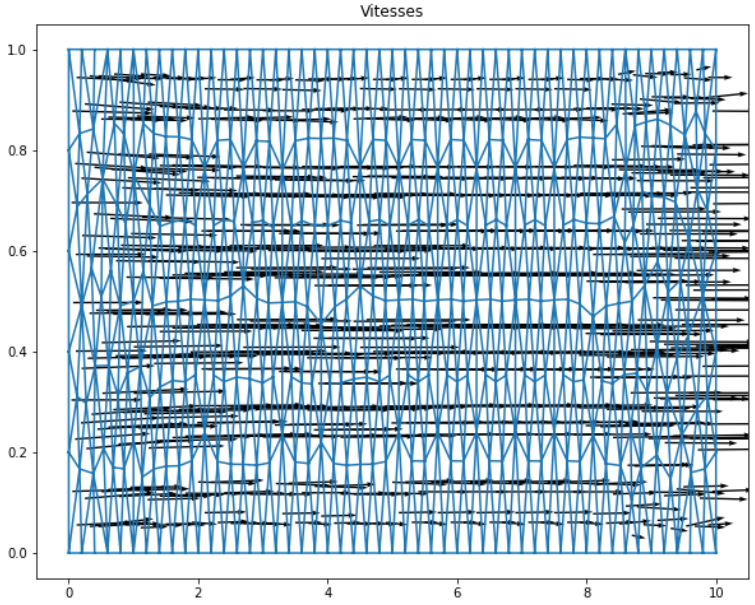


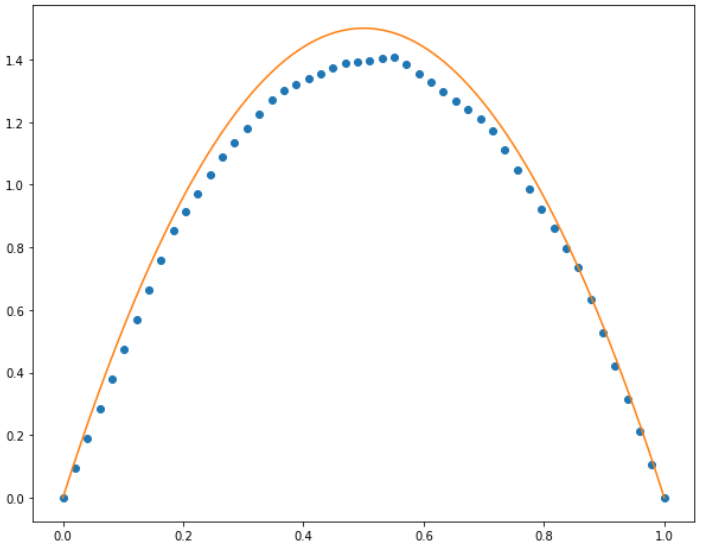
Vitesse selon x



Vitesse selon y

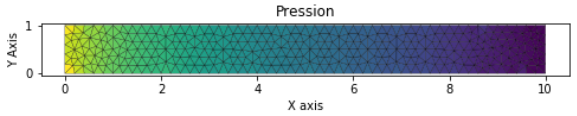


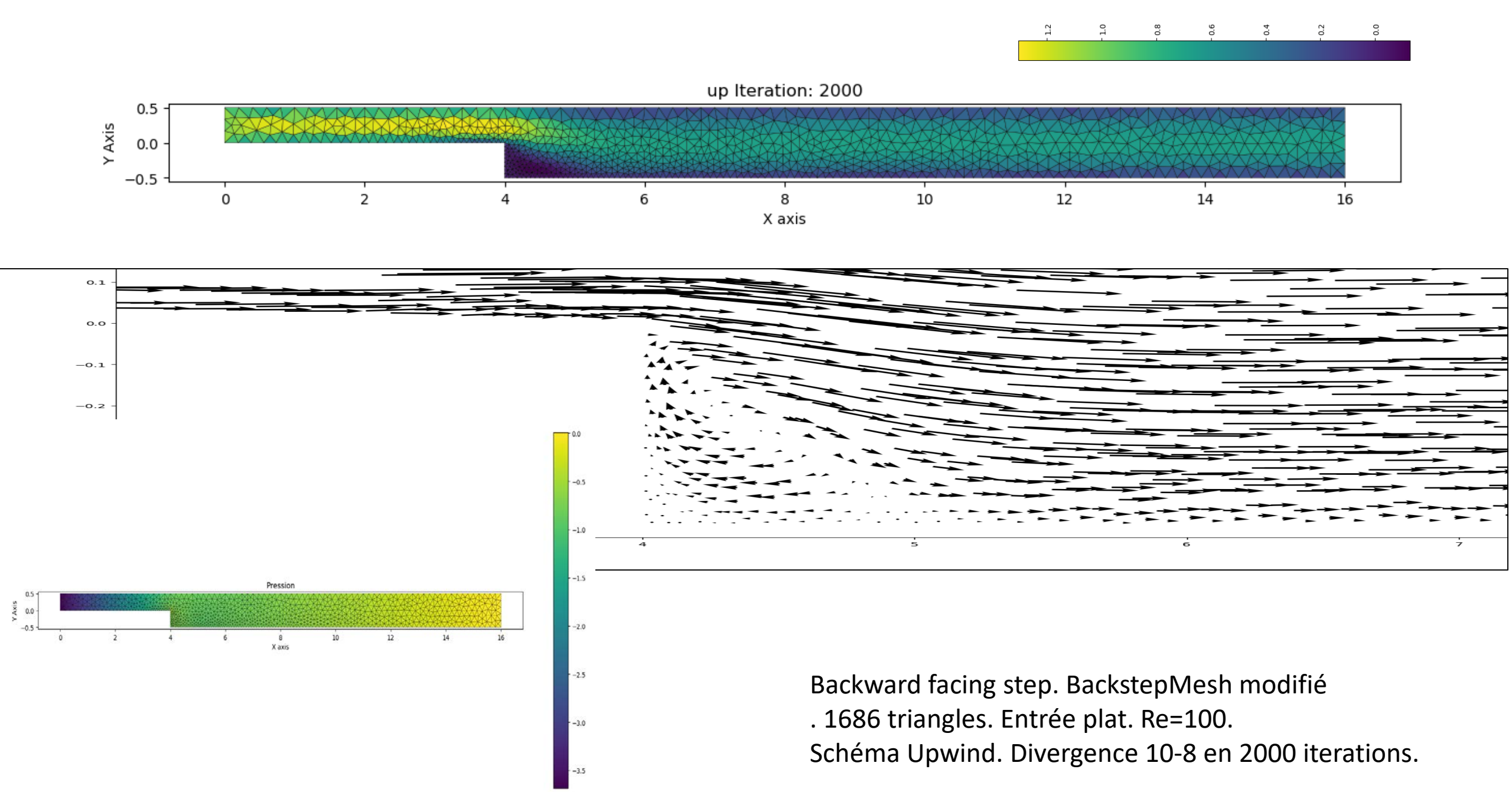




Vitesse x près du plan de sortie

Pression





Backward facing step. BackstepMesh modifié
. 1686 triangles. Entrée plat. Re=100.
Schéma Upwind. Divergence 10-8 en 2000 iterations.