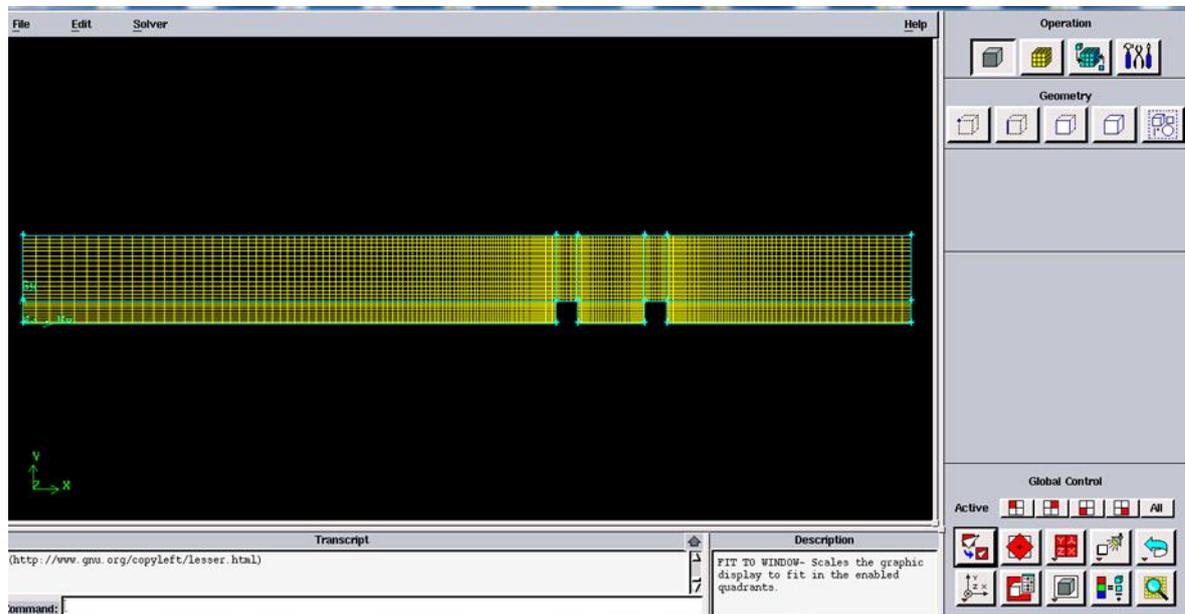


# Annexe

## III.1. Cr ation de la g om trie et maillage en GAMBIT



## III.2. Profile de vitesse   l'entr 

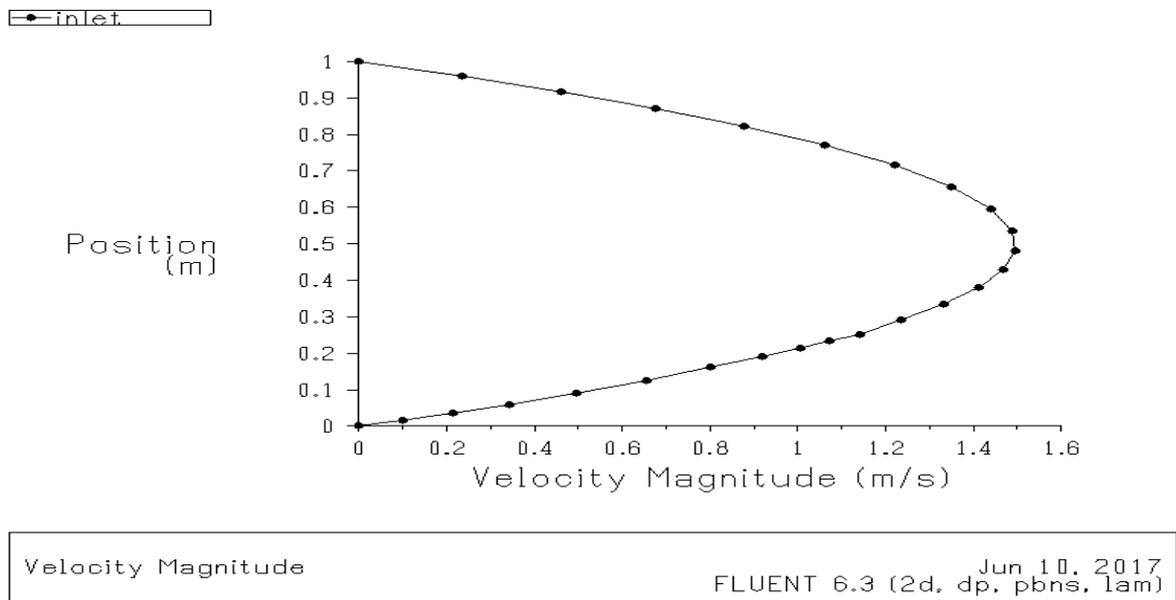
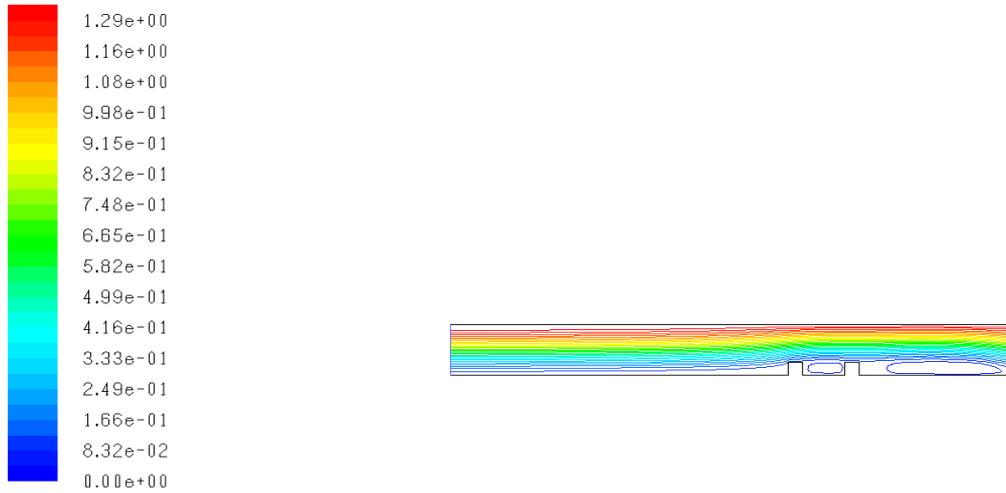


Figure III.2 : Profile de vitesse   l'entr 

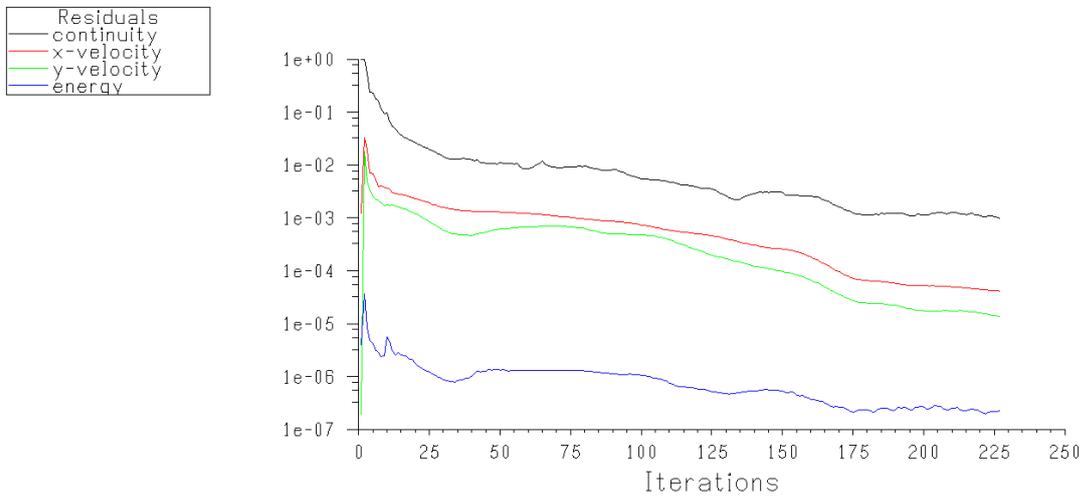
### III.2.1 Validation dynamique



Contours of Stream Function (kg/s) FLUENT 6.3 (2d, dp, pbns, lam) Jun 10, 2017

Figure III.3 ligne de courant autour des obstacles (nos résultats)

### III.4.2. Critère de convergence



Scaled Residuals FLUENT 6.3 (2d, dp, pbns, lam) Jun 10, 2017

Figure III.6: Les courbes de résidus.

### III.4.3. Contour de température

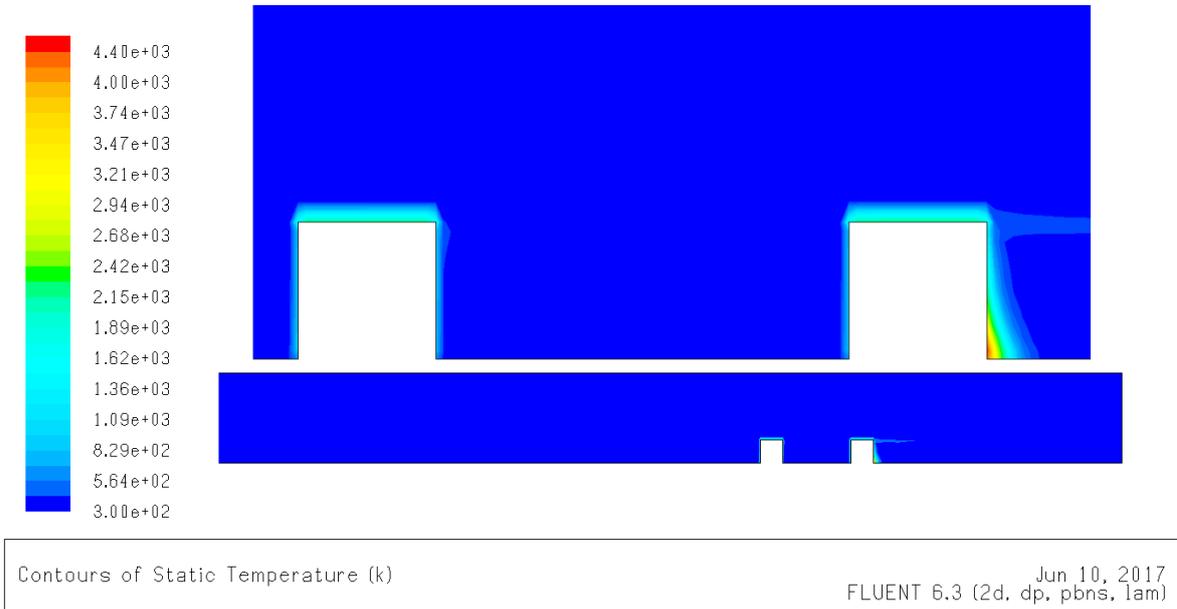


Figure III.7 : Contour de température

### III.4.4. Champs de vitesse

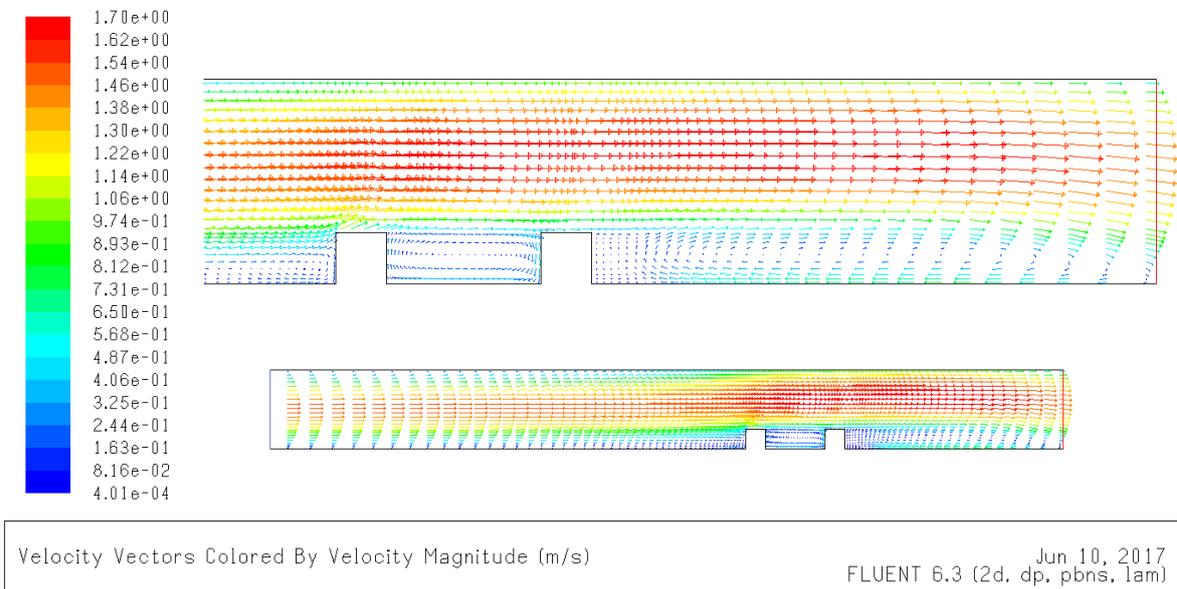
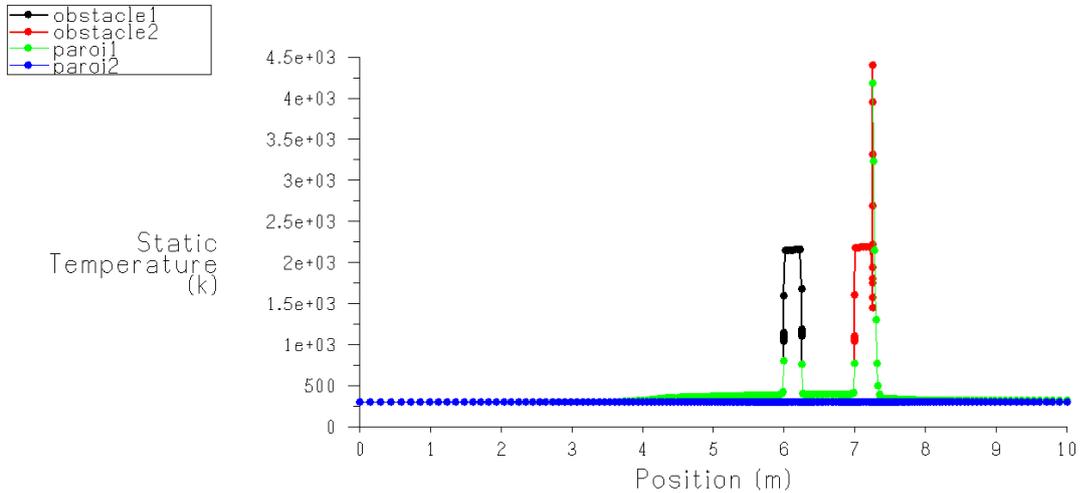


Figure III.8 : Champs de vitesse

### III.4.5. Le profil de température

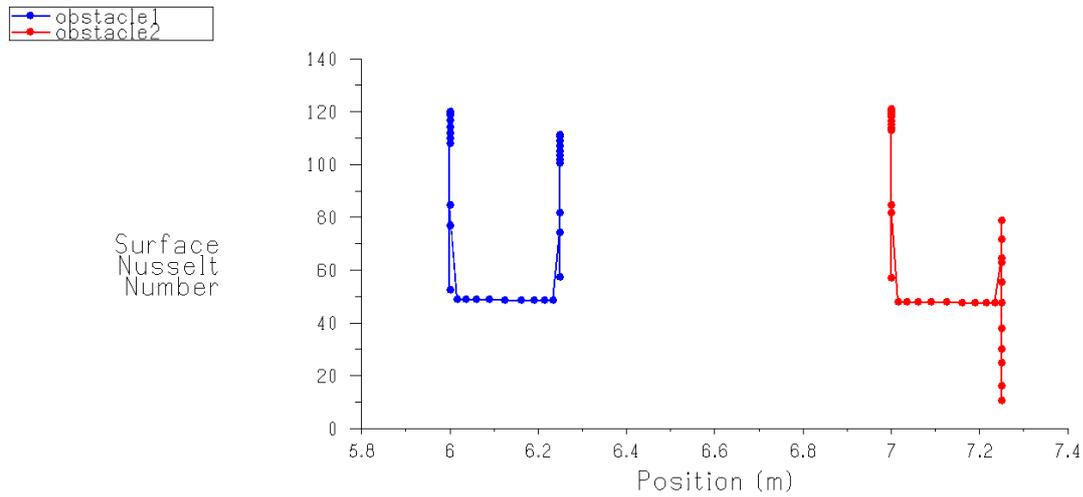


Static Temperature

Jun 10, 2017  
FLUENT 6.3 (2d, dp, pbns, lam)

Figure III.9 : Profil de température.

### III.4.6. Nombre Nusselt



Surface Nusselt Number

Jun 10, 2017  
FLUENT 6.3 (2d, dp, pbns, lam)

Figure III.10 : Profil de nombre de Nusselt.