

Figure 32: Experimental surface flow (Case DF1)

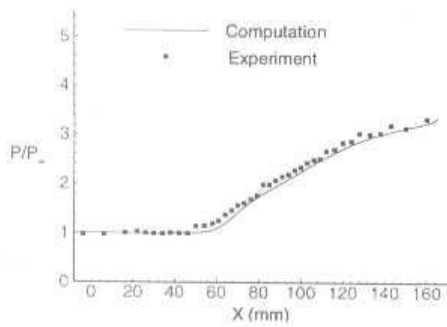


Figure 33: Wall pressure on TML (Case DF1)

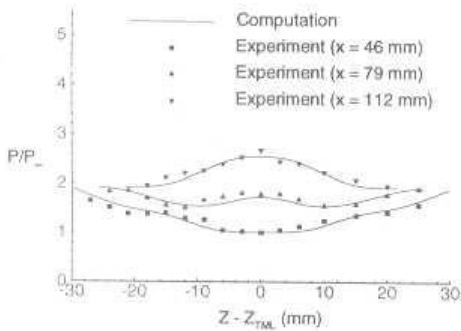


Figure 34: Wall pressure at $x = 46$ mm, $x = 79$ mm and $x = 112$ mm (Case DF1)

agreement with the experiment is observed. On the TML, the heat transfer coefficient is predicted typically within 25% in the 3-D interaction region.

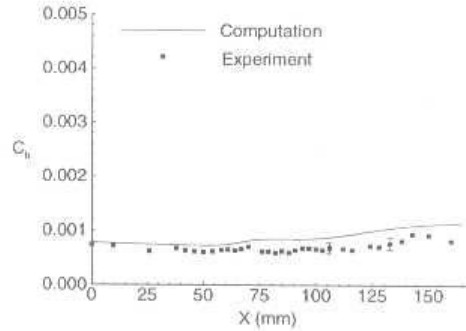


Figure 35: C_h on TML (Case DF1)

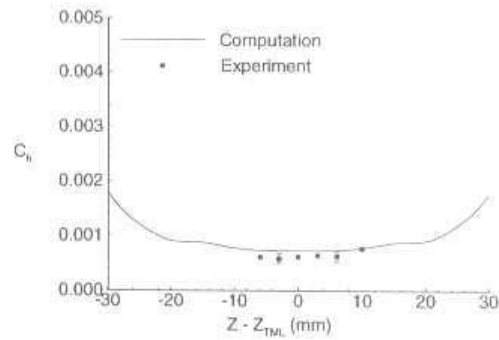


Figure 36: C_h at $x = 46$ mm (Case DF1)

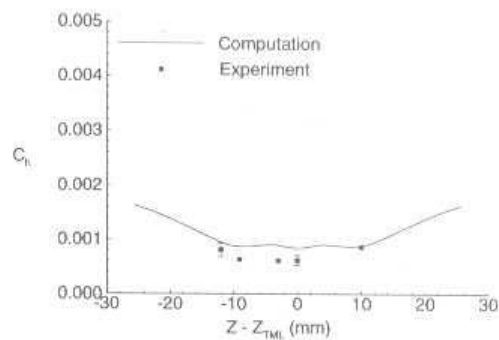


Figure 37: C_h at $x = 79$ mm (Case DF1)

The adiabatic wall temperature T_{aw}/T_∞ is displayed in Figs. 39 to 42. The accuracy of the measurements is less than 0.2%. Close agreement is observed. The maximum difference between the predicted and measured T_{aw} is less than 2%.