

CHAPTER 1

LID DRIVEN CAVITY

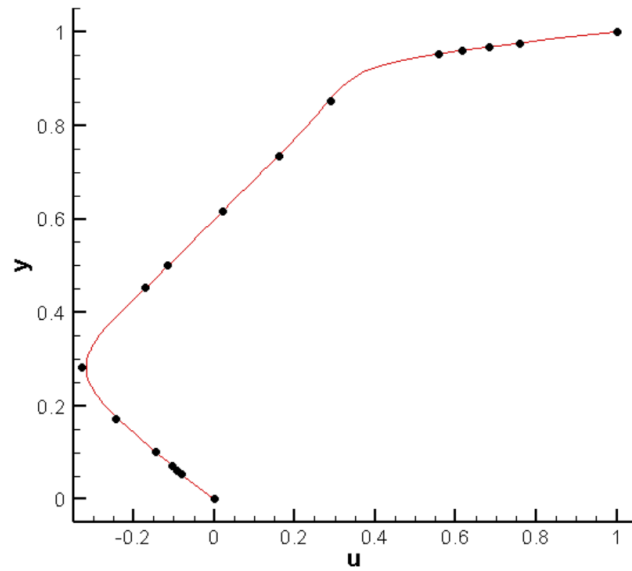


Figure 1.1: The u -velocity variation with y along mid-vertical plane $x = 0.5$ at $Re = 400$

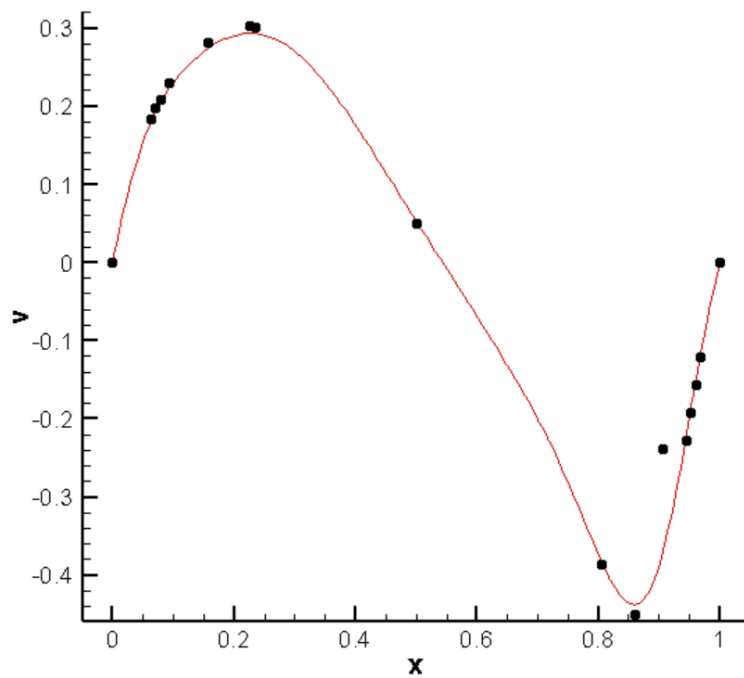


Figure 1.1: The v -velocity variation with x along mid-vertical plane $y = 0.5$ at $Re = 400$

CHAPTER 2

BUOYANCY DRIVEN CAVITY

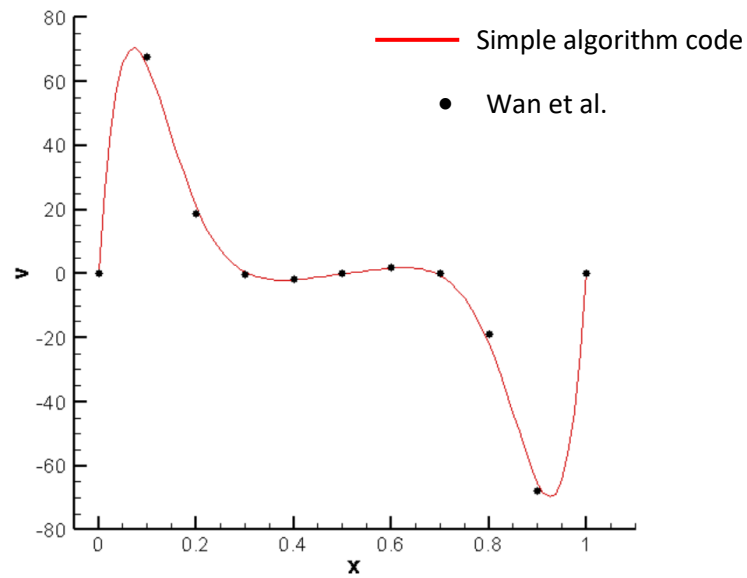


Figure 2.1: The v-velocity variation with x along mid-vertical plane $y = 0.5$ at $Ra = 10^5$

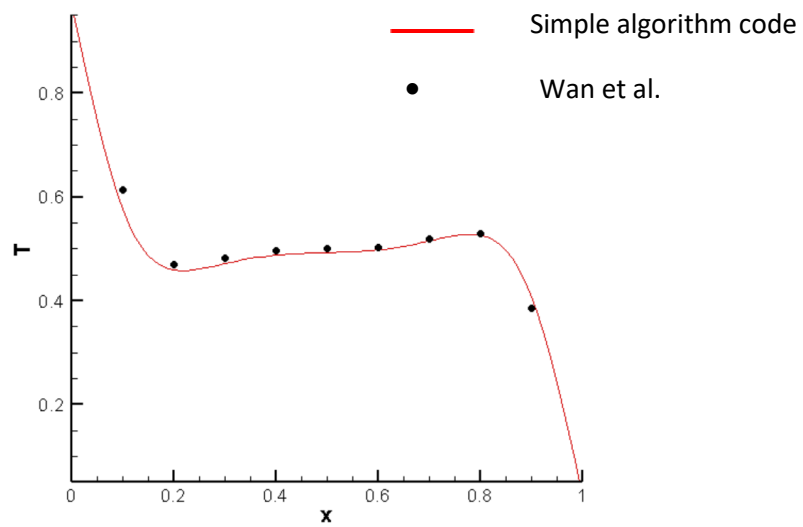


Figure 2.2: The Temperature variation with x along mid-vertical plane $y = 0.5$ at $Ra = 10^5$