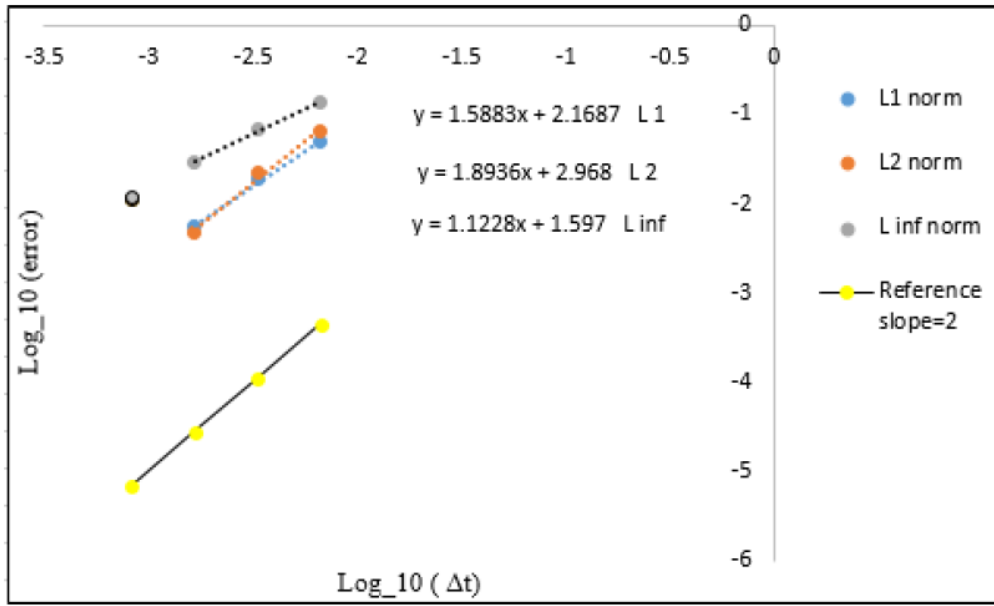


(a) Log-Log plot of U velocity Convergence rate



(b) Log-Log plot of Pressure Convergence rate

Figure 6. 4: Log-Log plot of error for method $Pm\ 1$ (a) on domain: $[-1,1]^2$ at time 1 with $CFL = 0.1$. Subplot (a) shows the convergence for U velocity whereas (b) shows the convergence for pressure. The data points correspond to grid size 15, 30, 60 and 120 respectively. There are 3 outliers in subplot (b) circled with black solid lines that almost overlap each other. They are corresponding to grid size of 120. For consistency, convergence rates were calculated excluding the outliers