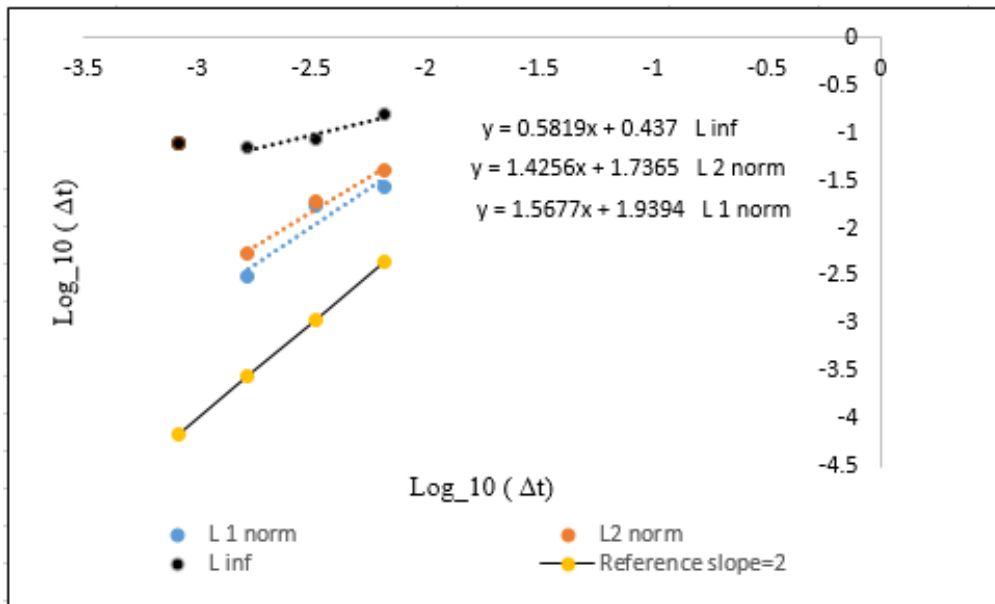


(a) Log-Log plot of U velocity Convergence rate



(b) Log-Log plot of Pressure Convergence rate

Figure 6. 6: Log-Log plot of error for method $Pm\ 2$ 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) (almost overlap each other) corresponding to a grid size of 120. They are circled with black solid lines. Convergence rates were calculated excluding the outlier