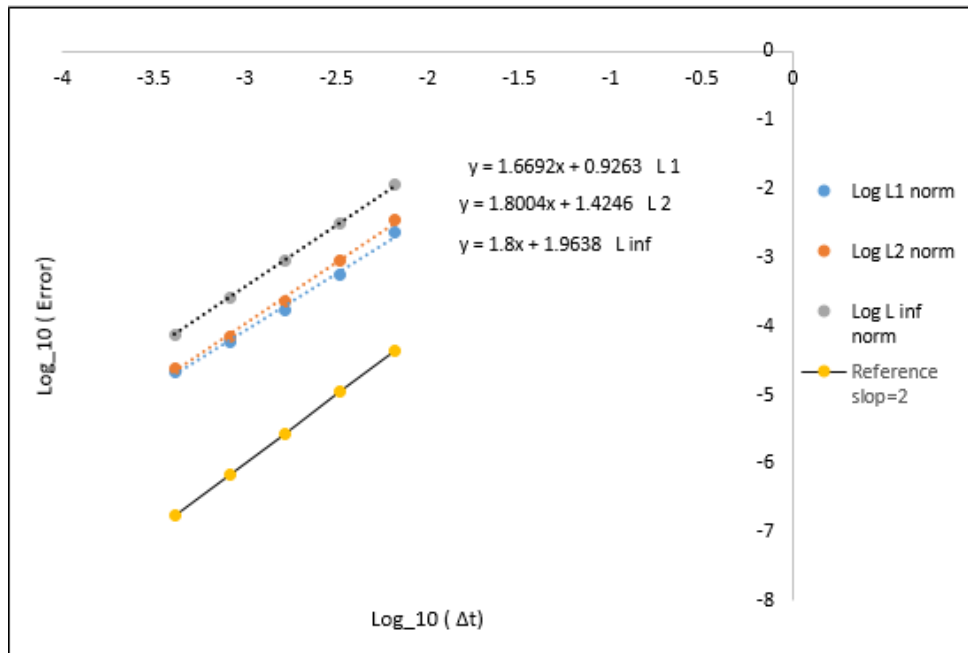


(a) Log-Log plot of U velocity Convergence rate.



(b) Log-Log plot of Pressure (P) Convergence rates.

Figure 6. 2: Log-Log plot of error for method $Pm\ 1\ (b)$ on domain: $[-1,1]^2$ and at time π with $CFL = 0.05$. The data points correspond to grid size 15, 30, 60, 120 and 240 respectively. The circles represent the actual error data and the convergence rate is extracted as the slope of the best fitted line through linear extrapolation.