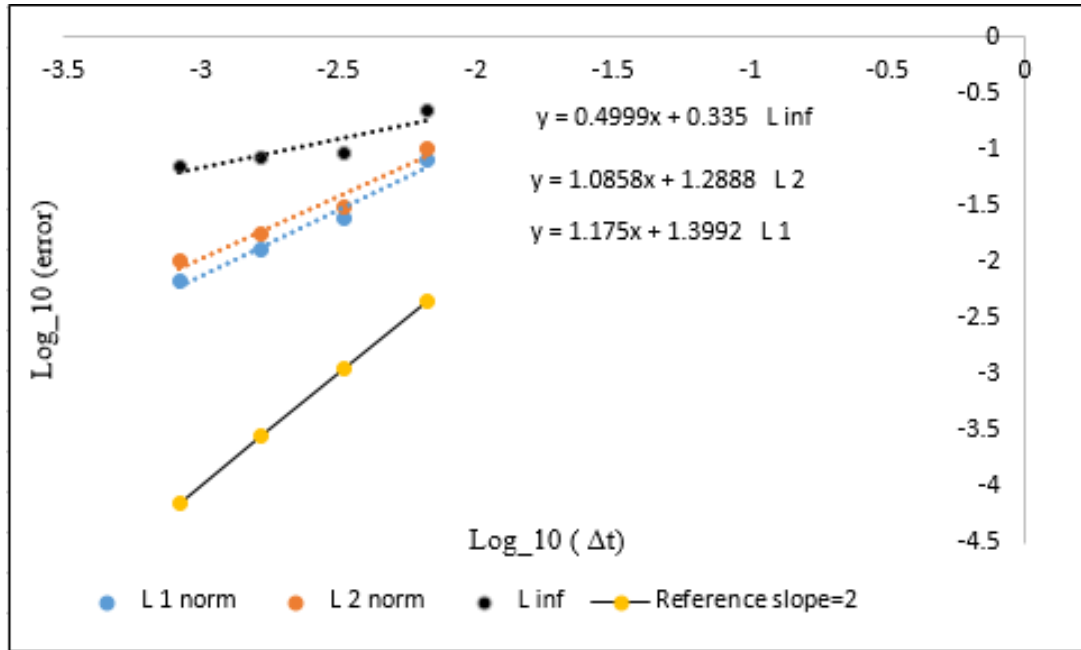


(a) Log-Log plot of $\nabla \cdot \mathbf{u}^*$ Convergence rate for $Pm\ 1\ (b)$



(b) Log-Log plot of $\nabla \cdot \mathbf{u}^*$ Convergence rate for $Pm\ 2$

Figure 6. 8: Log-Log plot of convergence rate for $\nabla \cdot \mathbf{u}^*$ for projection methods $Pm\ 1\ (b)$ and $Pm\ 2$ on domain: $[-1,1]^2$ at time 1 with $CFL = 0.1$.