

Fig. 3. Maximum error (E_m) as a function of the number of nodes (N), for $Pe=1.0$ and (a) $\phi = 0.1$, (b) $\phi = 0.5$, (c) $\phi = 1.0$ and (d) $\phi = 5.0$.

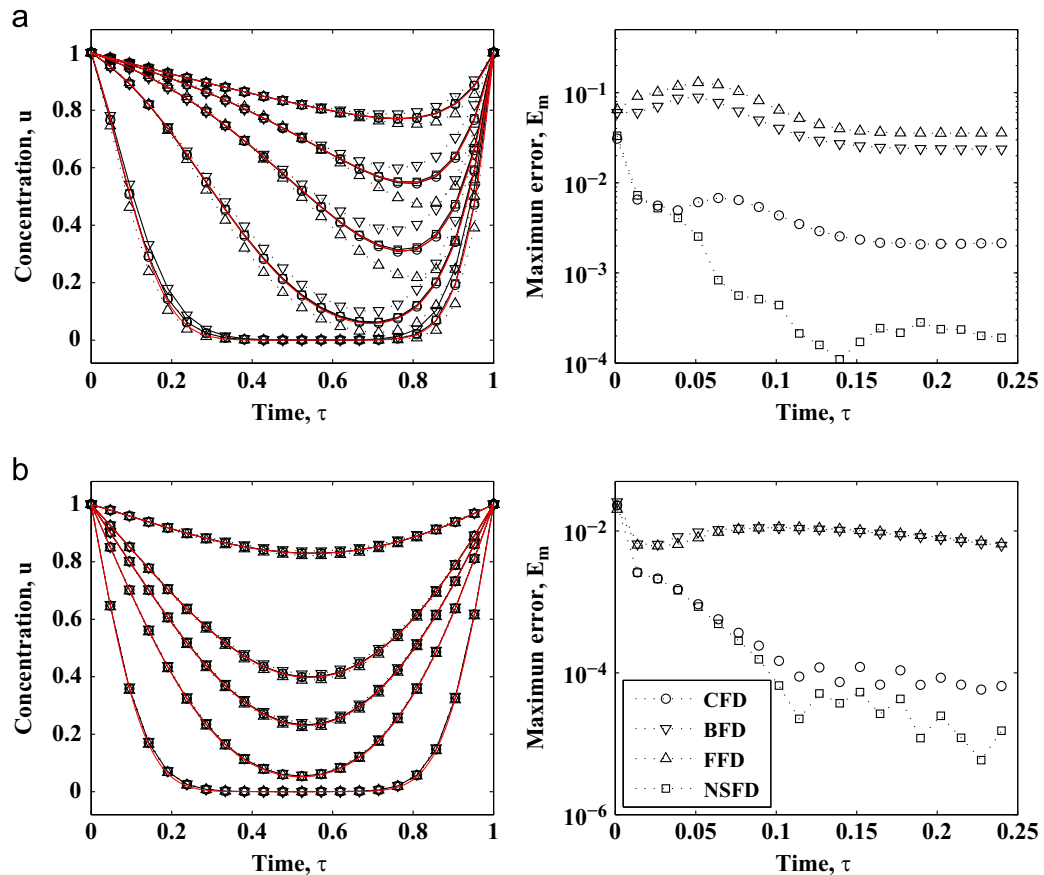


Fig. 4. Concentration profiles at different times and their respective E_m , (a) $Pe=10$ and $\phi=2.0$; (b) $Pe=1.0$ and $\phi=0.1$.