Fig. 7. Variation of the local Nusselt number \( Nu_x Re_x^{-1/2} \) with \( \varphi \) for different nanoparticles with \( \varepsilon = 0.5 \) and \( Pr = 6.2 \).

Fig. 8. Velocity profiles for some values of \( \varphi \) \((0 \leq \varphi \leq 0.2)\) for Cu-water working fluid with \( \varepsilon = -1.22 \) and \( Pr = 6.2 \).