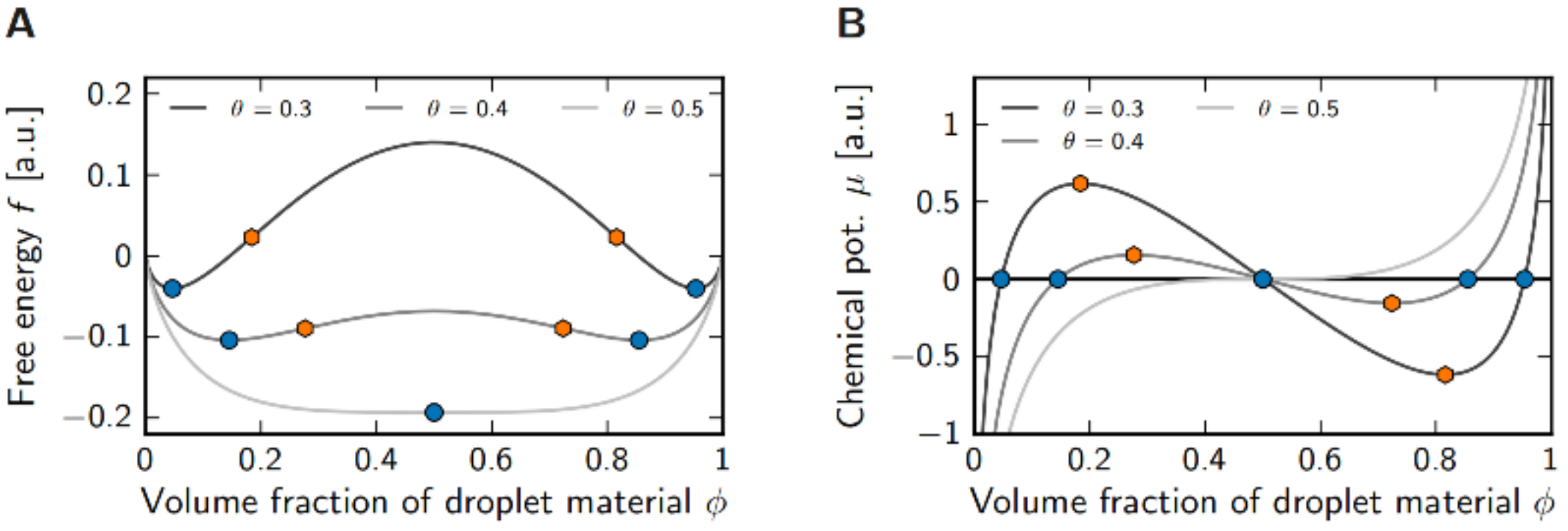

Figure 1.8: Free energy density f of a binary fluid as a function of the volume fraction ϕ of droplet material for different normalized temperatures $\theta = k_{\mathrm{B}}T/(\nu\chi)$. **(A)** The free energy density $f(\phi)$ is shown. **(B)** The chemical potential $\mu(\phi) \propto \partial_\phi f(\phi)$ is shown. The minima (blue dots) and inflection points (orange hexagons) of $f(\phi)$ are indicated in both panels.