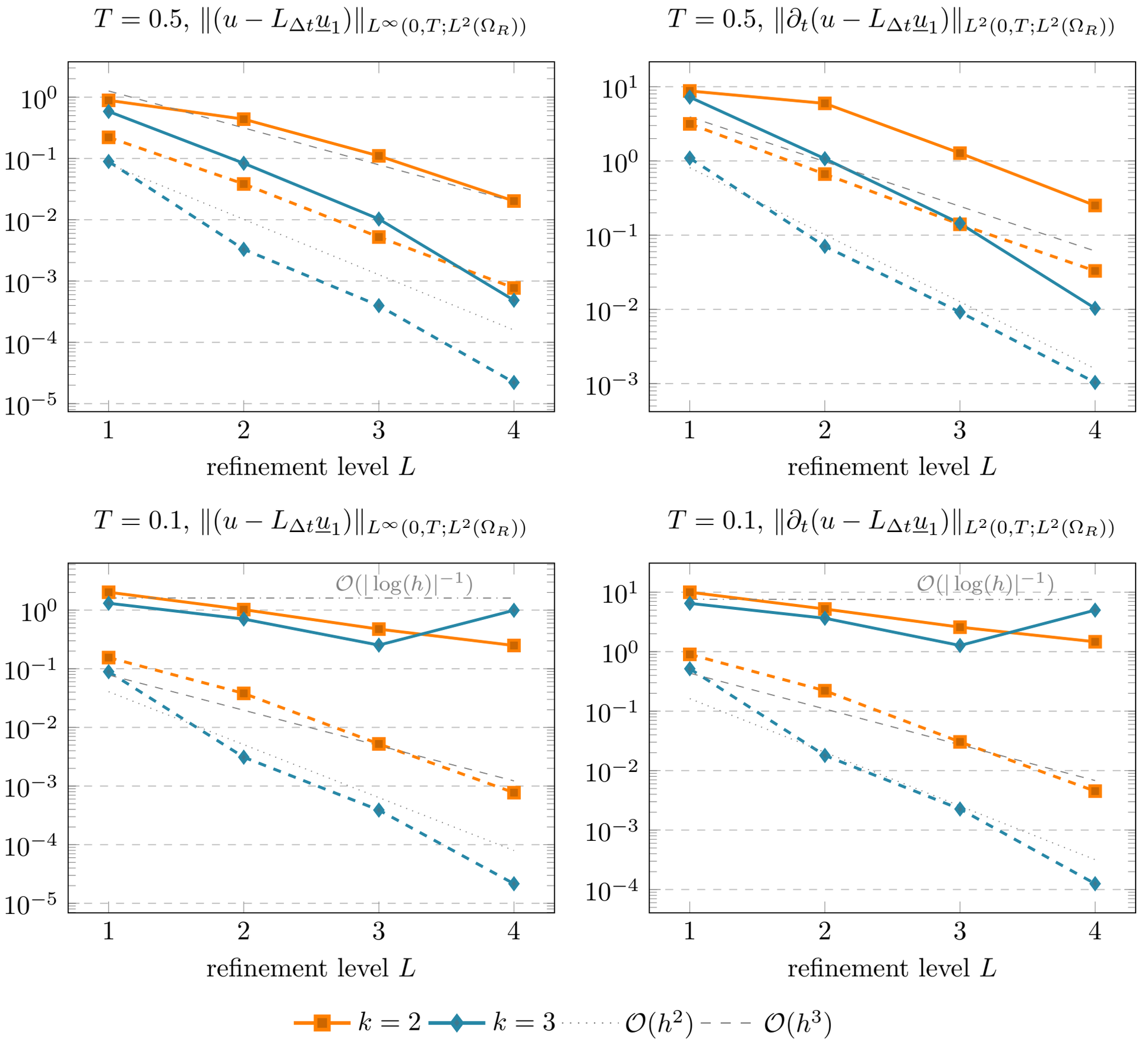
$T = 0.5$, $\|(u - L_{\Delta t}\underline{u}_1)\|_{L^\infty(0,T;L^2(\Omega_R))}$
$T = 0.5$, $\|\partial_t(u - L_{\Delta t}\underline{u}_1)\|_{L^2(0,T;L^2(\Omega_R))}$
$T = 0.1$, $\|(u - L_{\Delta t}\underline{u}_1)\|_{L^\infty(0,T;L^2(\Omega_R))}$
$T = 0.1$, $\|\partial_t(u - L_{\Delta t}\underline{u}_1)\|_{L^2(0,T;L^2(\Omega_R))}$
$\mathcal{O}(|\log(h)|^{-1})$
refinement level L
$k = 2$
$k = 3$
$\mathcal{O}(h^2)$
$\mathcal{O}(h^3)$