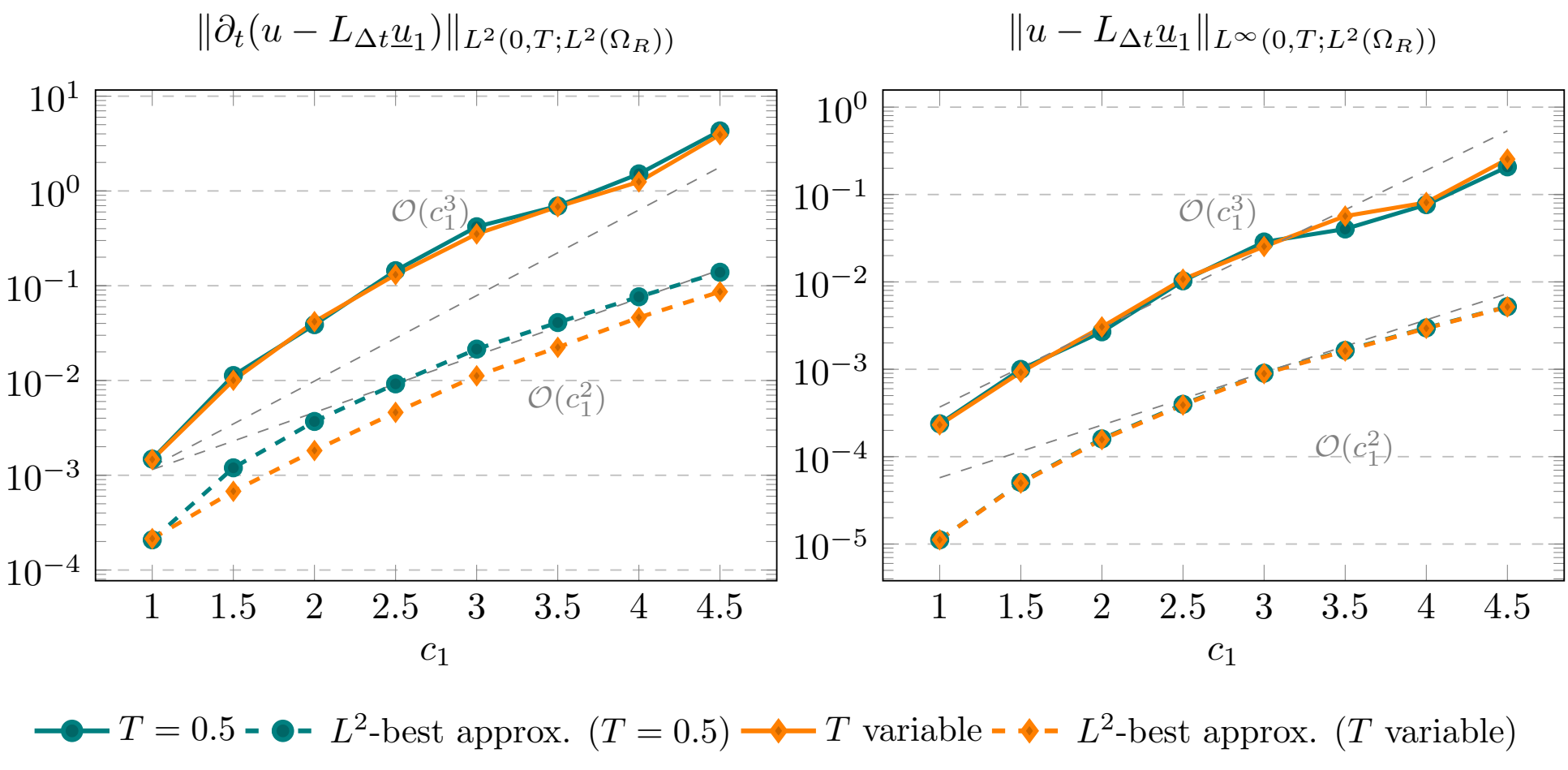
$\|\partial_t(u - L_{\Delta t}\underline{u}_1)\|_{L^2(0,T;L^2(\Omega_R))}$
$\|u - L_{\Delta t}\underline{u}_1\|_{L^\infty(0,T;L^2(\Omega_R))}$
10^1
10^0
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^0
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
$\mathcal{O}(c_1^3)$
$\mathcal{O}(c_1^2)$
$\mathcal{O}(c_1^3)$
$\mathcal{O}(c_1^2)$
1
1.5
2
2.5
3
3.5
4
4.5
c_1
c_1
$T = 0.5$
L^2-best approx. ($T = 0.5$)
T variable
L^2-best approx. (T variable)