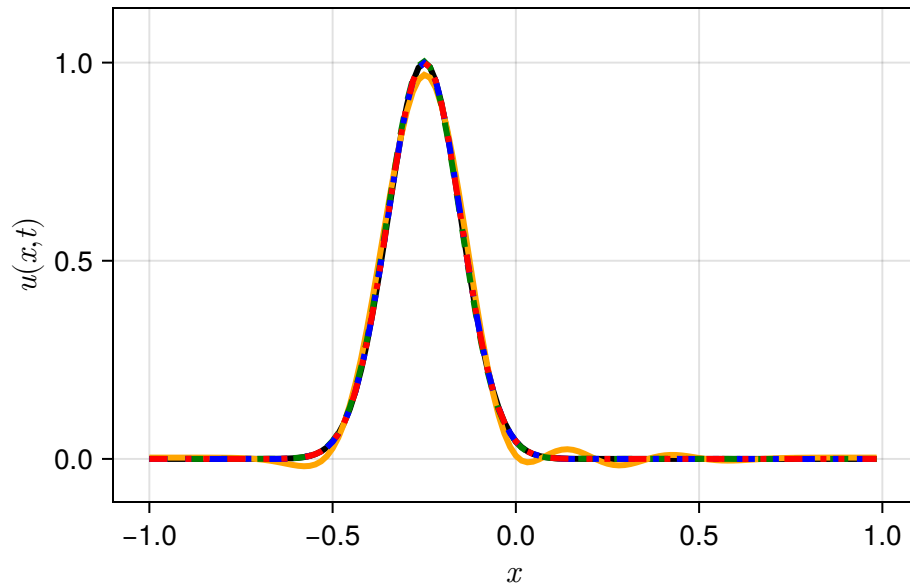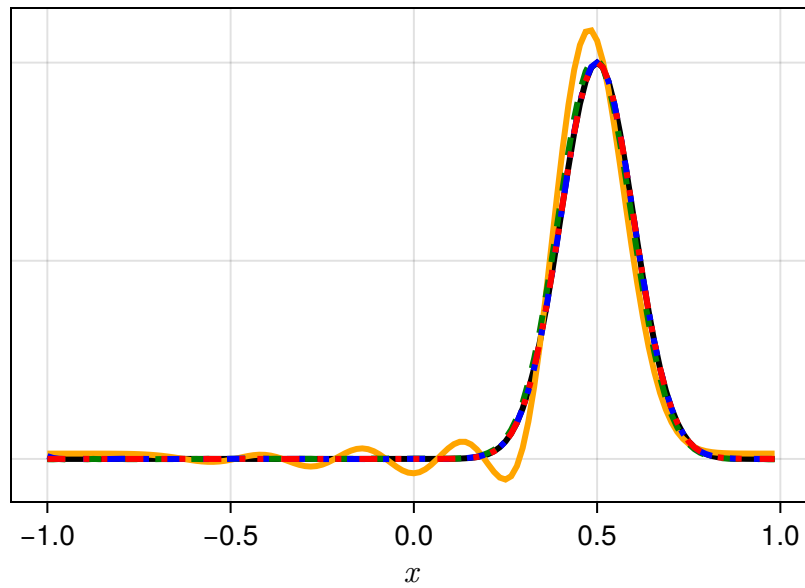(a) $t = 1.0$

(b) $t = 4.0$