

$$\begin{aligned}
f(t, x) = & \left[1 + \delta \beta c e^{-\beta(\alpha_1 + \theta_1 t)} (\alpha_1 + \theta_1 t) \right. \\
& + \delta (-1)^{k+1} (\beta c)^k \prod_{i=1}^k \left(e^{-\beta(\alpha_2 + \theta_2 x)} (\alpha_2 + \theta_2 x) \right) \\
& \left. + \delta (-1)^{k+1} (\beta c)^{k+1} e^{-\beta(\alpha_1 + \theta_1 t)} (\alpha_1 + \theta_1 t) \prod_{i=1}^k \left(e^{-\beta(\alpha_2 + \theta_2 x)} (\alpha_2 + \theta_2 x) \right) \right]
\end{aligned}$$