

Two kinks at an initial distance $d_0=20$

Analytical curve:

$$\partial_t d = -2 * 16C(t)^{0.5} [e^{-2^{0.5}C(t)^{0.5}d} - e^{-2^{0.5}C(t)^{0.5}(L-d)}] / I_1$$

