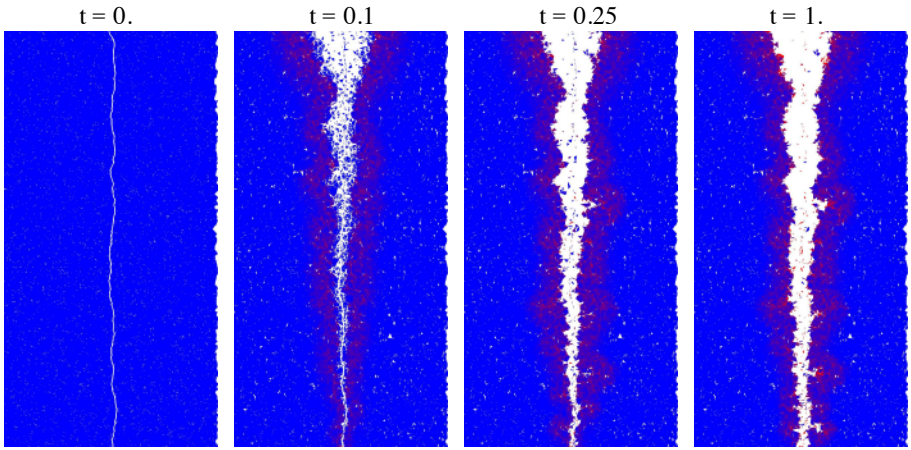
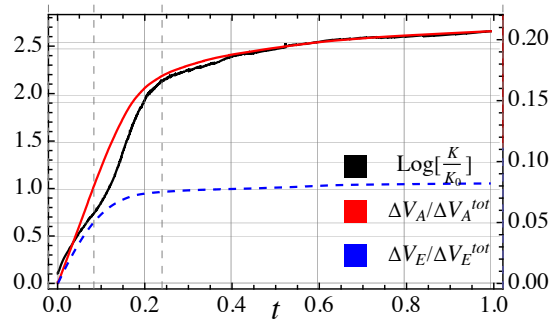
(a)

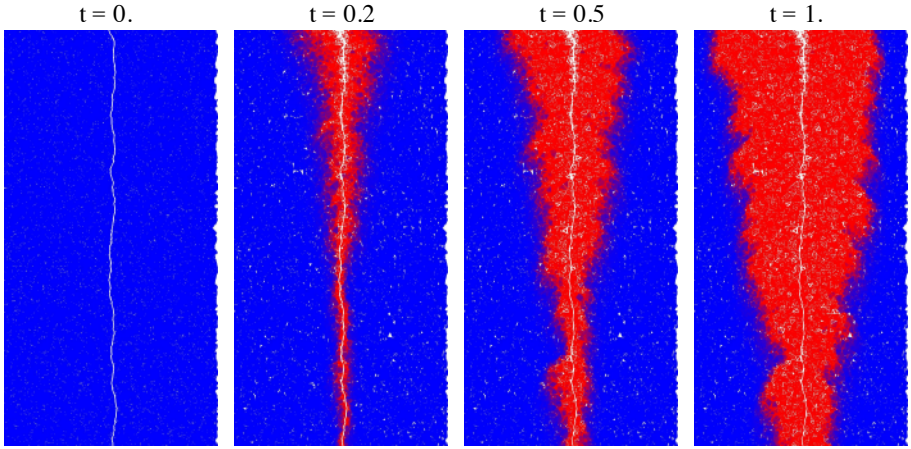
$Da = 0.1$ $c_B^{th}/c_B^0 = 0.1$ $p_r = 81$
$\Gamma = 1.0$ $\kappa = 1$ $\phi_0 = 0.15$

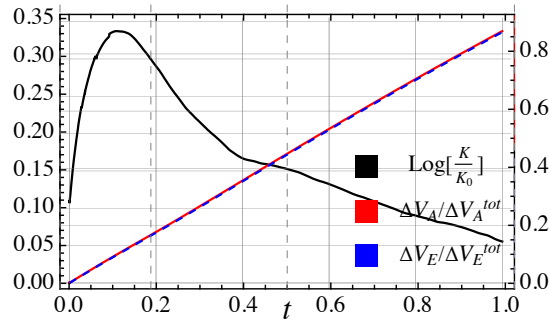




(b)

$Da = 0.1$ $c_B^{th}/c_B^0 = 1.0$ $p_r = 81$
$\Gamma = 1.0$ $\kappa = 10$ $\phi_0 = 0.15$





(c)

$Da = 0.1$ $c_B^{th}/c_B^0 = 1.0$ $p_r = 81$
$\Gamma = 1.0$ $\kappa = 1$ $\phi_0 = 0.15$

