Movie 1:

Caption: Evolution of timelines initiated at $x=182$ and $y=1.66$ for wave packet development within the linear region. The timelines are initiated at $t=180$, with $Δt=1.5$.

Movie 2:

Caption: Evolution of timelines initiated at $x=270$ and $y=1.66$ for wave packet development within the nonlinear region. The timelines are initiated at $t=270$, with $Δt=1.5$.

Movie 3:

Caption: The evolution of material surfaces initiated at $y=0.8$ and 2.5 for bypass transition. The flat surfaces are initiated at $140\leq x\leq 185$ and $20\leq z\leq 100$.