assumption: the pressure is continuous across the contact wave

$\rho u \sigma_x Ex - Ee$

$ps_{xx}x -$
$\ddot{\mathrm{u}}$

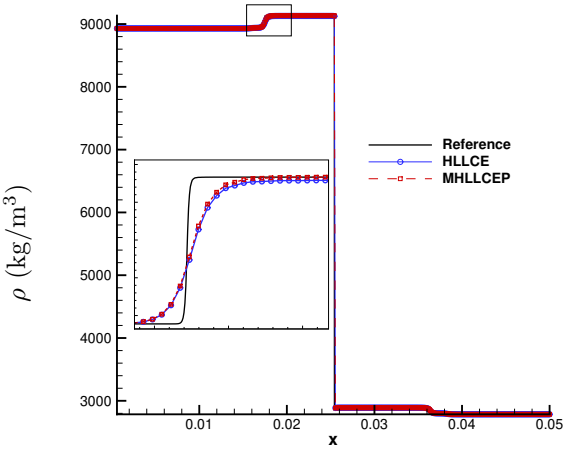
$f(\eta) = \frac{(\eta-1)(\eta-\Gamma_0(\eta-1)/2)}{(\eta-s(\eta-1))^2}\eta = \frac{\rho}{\rho_0}\rho_0 a_0 s\Gamma_0\ddot{\mathrm{u}}$

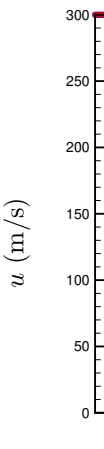
μV

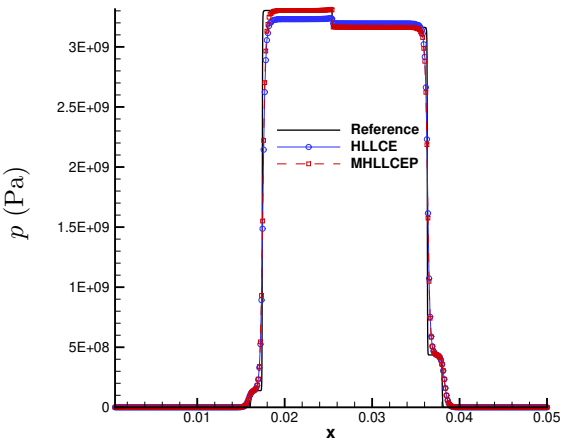
Y_0 $_1$

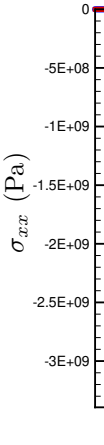
$Q = (\rho, \rho u, \rho E, s_{xx})^T$
$\ddot{\mathrm{u}}$

$\Gamma = \frac{\Gamma_0\rho_0}{\rho}$
$\mathbf{J}(\mathbf{Q})$

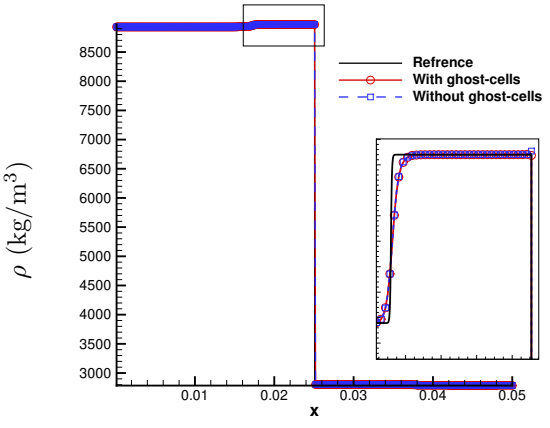


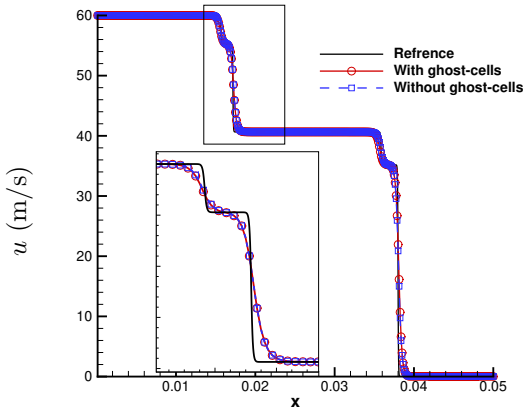


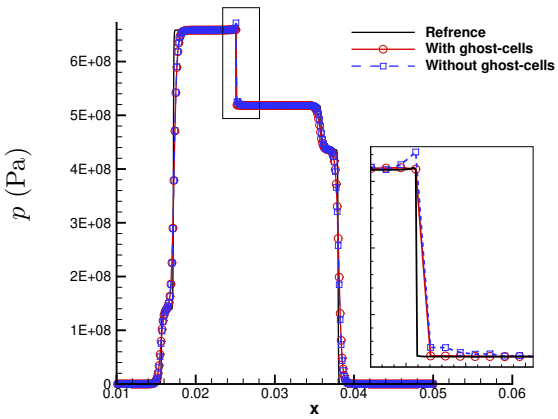


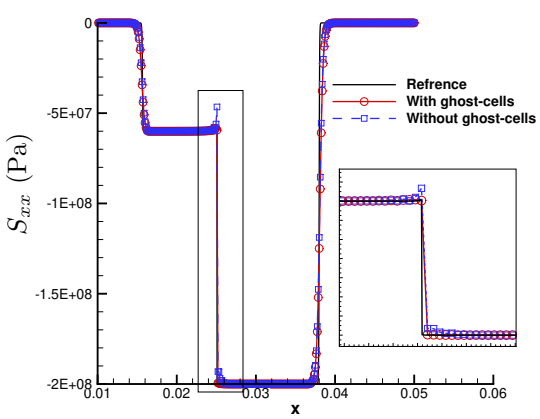


$Y_0^{\text{Copper}} = 9 \times 10^7 Y_0^{\text{Al}} = 3 \times 10^8 u_0 = 60\text{m/s} t = 2 \times 10^{-6}\text{s}$
ps_{xx}









ée