Non-uniform grid

$N_r^{shock} = 356$

$N_r^{left} = 79$

$N_r^{right} = 123$

shock

$\mathrm{avg} - \frac{D_{max}}{u_{up}}$

$\mathrm{avg} + \frac{D_{max}}{u_{up}}$

$\frac{D_{max}}{u_{up}} = 2.817\,\mathrm{pc}$

$\frac{D_{max}}{u_{up}}\Big|_{dless} = 0.029$

$r \in [0,\ R_{forward}]$