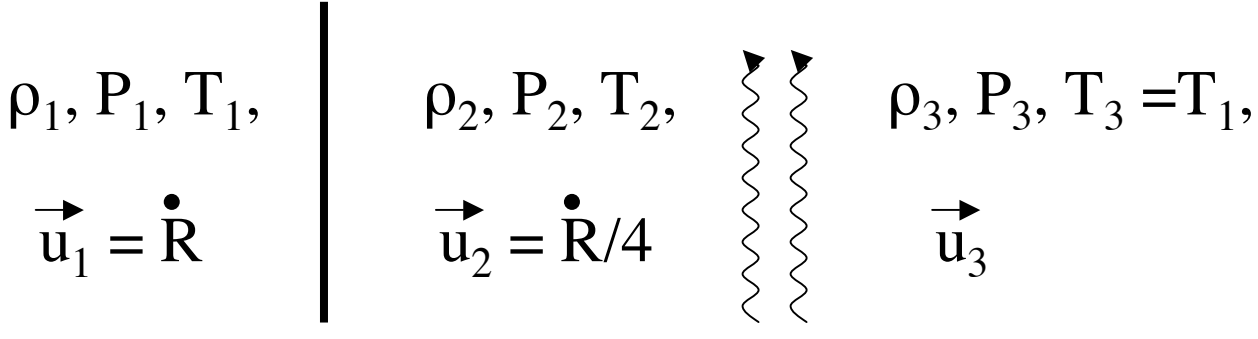
$\rho_1, P_1, T_1,$
$\vec{u}_1 = \dot{R}$
$\rho_2, P_2, T_2,$
$\vec{u}_2 = \dot{R}/4$
$\rho_3, P_3, T_3 = T_1,$
$\vec{u}_3$
"adiabatic" energy conserving phase
Radiation