



**Fluid L**

**Fluid R**

$$\rho_L = 1.0$$

$$\rho_R = 0.125$$

$$p_L = 1.0$$

$$p_R = 0.1$$

$$\gamma_L = 5/3$$

$$\gamma_R = 5/3$$

$$\vec{U}_L = \vec{0}$$

$$\vec{U}_R = \vec{0}$$