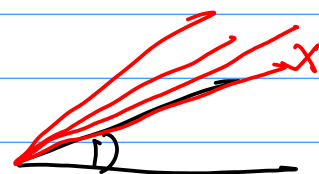
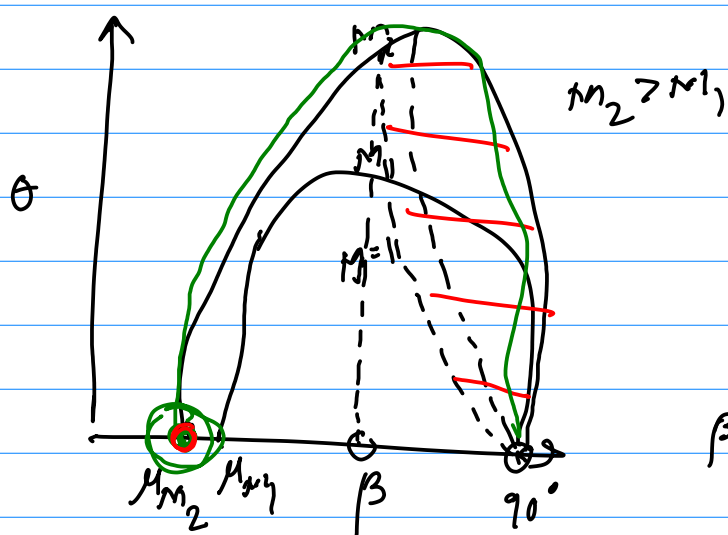
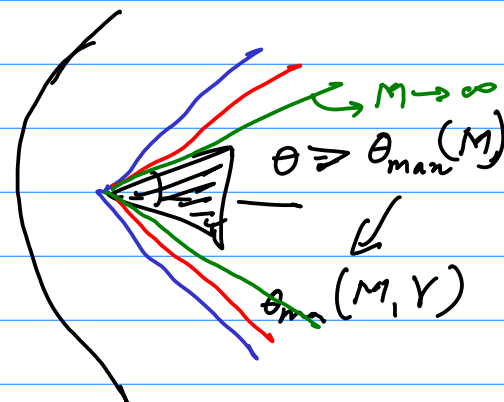


→
→
M



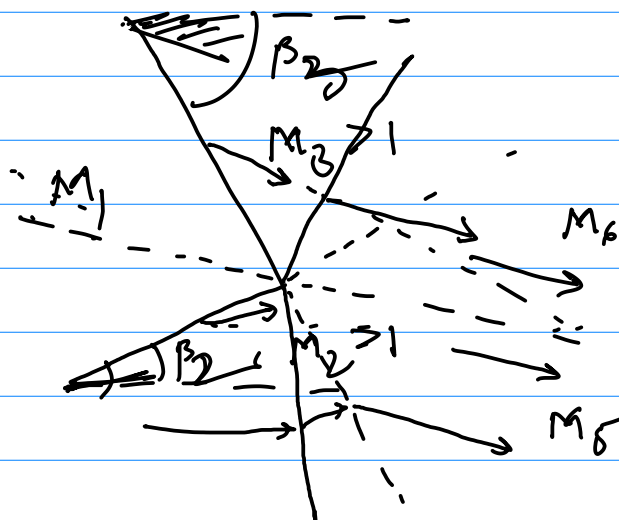
$$\beta > \theta$$

$\beta \uparrow \Rightarrow$ stronger the o.s

$\beta \uparrow \Rightarrow M \downarrow \Rightarrow$

$\beta \uparrow \Rightarrow \theta \uparrow \rightarrow$ weak o.s.

Shock interaction



If $\beta_3 > \beta_2$,

$M_3 < M_2$

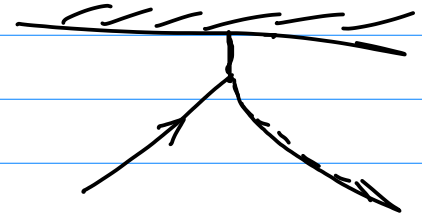
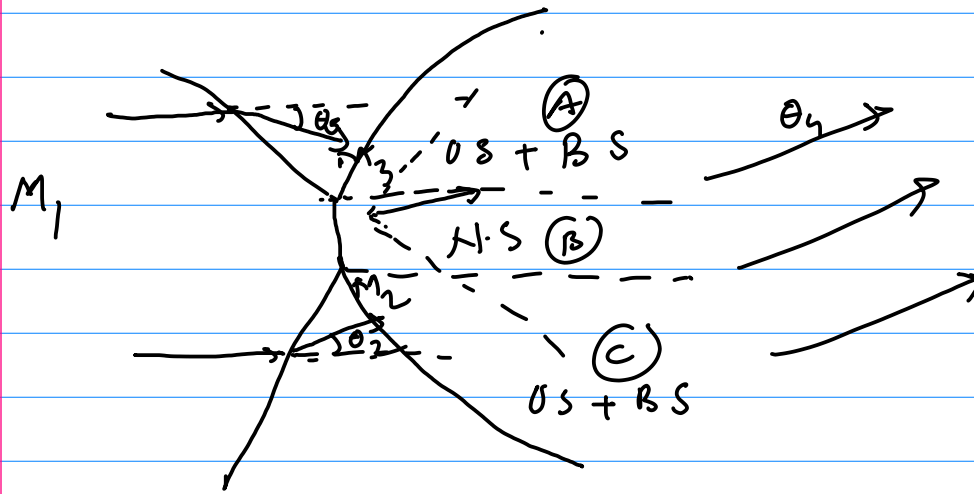
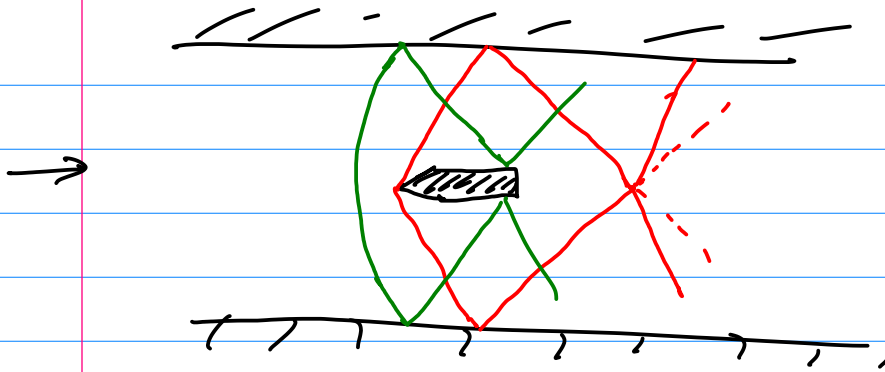
since $\theta_3 > \theta_2$

Slipstream

$$\vec{V}_5 \cdot \vec{V}_6$$

$$M_5 \neq M_6$$

$$P_5 = P_6$$



What is the effect of compressibility of oblique shocks?

→ Given M_1 & two gases

same $M_1, \Delta \beta$

$\theta_1 < \theta_2$

$$\left. \begin{array}{l} v_1 \\ v_2 \end{array} \right\} \rightarrow v_1 > v_2$$

More compressible

$$\theta = f(M, \beta, \gamma)$$

