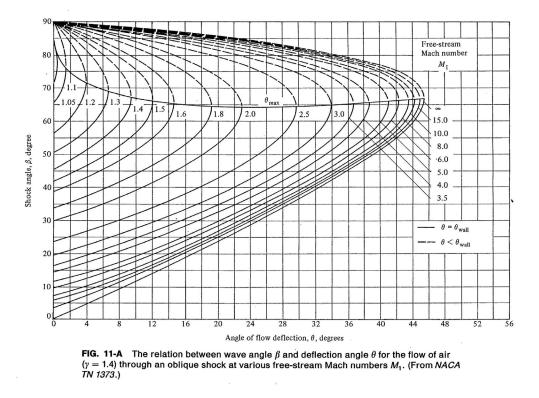
## Solution to Problem 352C:



From the above oblique shock graph we note that for an angle of flow deflection of  $\theta = 30^{\circ}$ , the critical Mach number above which the oblique shocks no longer remain attached to the apex of the wedge is  $M \approx 2.55$ . The inclination of the oblique shock at this condition is about  $64^{\circ}$ .