

Oblique Shock Waves

While the focus in the preceding two sections has been on normal shock waves, the analysis can be generalized to cover oblique shocks. Figure 1 is a photograph taken in a supersonic bubbly tunnel (Eddington 1967) and shows a Mach 4 flow past a 20° half-angle wedge. The oblique bow shock waves are clearly evident and one can also detect some of the structure of the shocks.

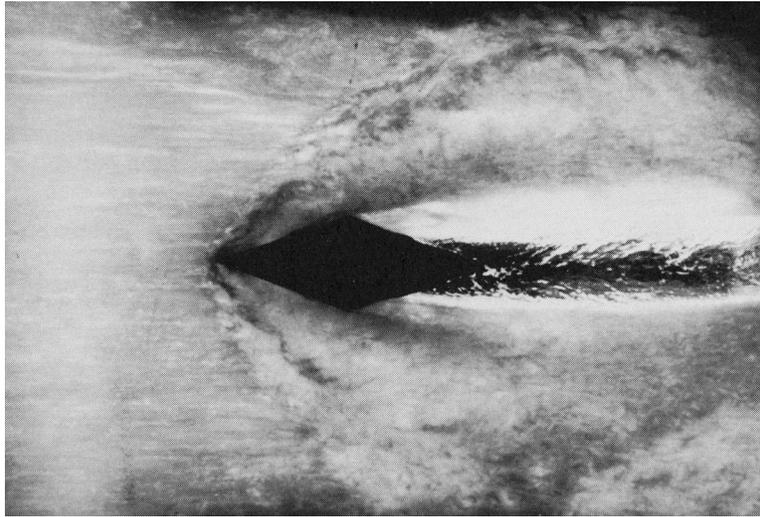


Figure 1: Supersonic bubbly flow past a 20° half-angle wedge at a Mach number of 4. Flow is from left to right. Photograph taken in supersonic bubbly flow tunnel (Eddington 1967) and reproduced with permission.