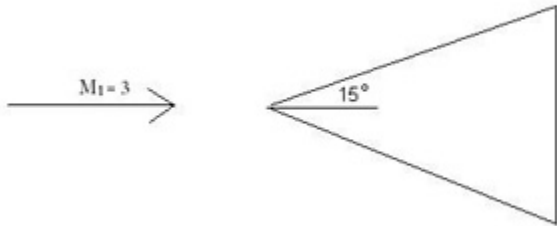


FLUENT - Supersonic Flow Over a Wedge - Problem Specification

Problem Specification

1. [Pre-Analysis & Start-up](#)
2. [Geometry](#)
3. [Mesh](#)
4. [Setup \(Physics\)](#)
5. [Solution](#)
6. [Results](#)
7. [Verification & Validation](#)

Problem Specification



Consider a 15° angle wedge at zero angle of attack. The incoming flow conditions are: $M_1=3$, $p_1=1$ atm, $T_1=300$ K. Use FLUENT to obtain the flowfield over the wedge. Compare the pressure coefficient on the wedge surface with the corresponding analytical result for an oblique shock.

Go to [Step 1: Pre-Analysis & Start-up](#)

[See and rate the complete Learning Module](#)

Go to [all FLUENT Learning Modules](#)