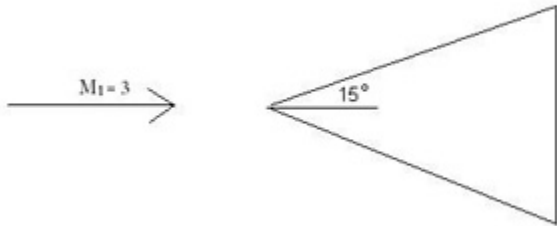


FLUENT - Supersonic Flow Over a Wedge - Problem Specification

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](#)

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