

# Compressible Flow Modern

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Consider a supersonic flow between two parallel walls (see Figure 4.18 on p. 152). At point A, a compression corner initiates a plane oblique shock wave that traverses the flow and impinges on

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the upper wall at point B. From point B a second oblique shock wave emanates. The flow is divided into 3 distinct regions.

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Compressible flow effects are encountered in numerous engineering applications involving high speed flows and/or flows with large pressure differences, e.g.gas turbines, steam turbines, internal combustion engines, Stirling engines, rocket engines, high-speed aerodynamics, high speed propellers, gas pipe flows, etc.

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