



A.A. 2025-2026 ELEMENTI DI TERMOFLUIDODINAMICA PER LE MACCHINE

Lucia Parussini

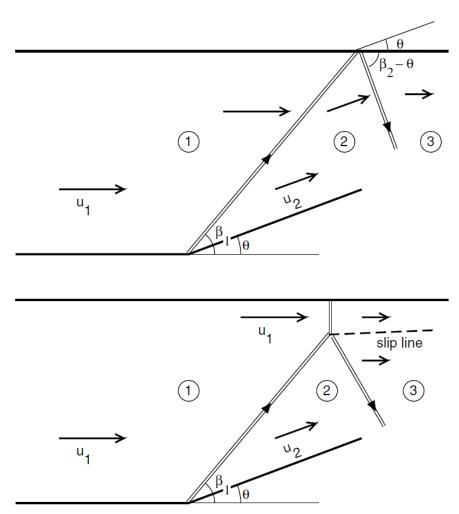
Dipartimento di Ingegneria e Architettura, Università degli Studi di Trieste Via Valerio 10 - 34127 Trieste - ITALY

E-mail: lparussini@units.it



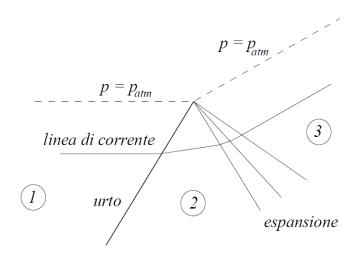


Onde d'urto oblique riflesse



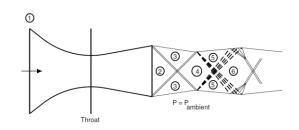


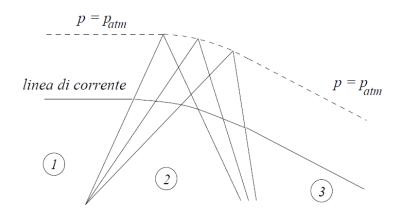
Riflessione da un confine libero



$$p_2 > p_{atm}$$

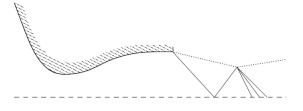
$$p_1 = p_3 = p_{atm}$$



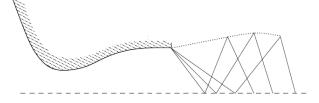


$$p_2 < p_{atm}$$

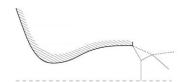
$$p_1 = p_3 = p_{atm}$$



Ugello sovra-espanso



Ugello sotto-espanso

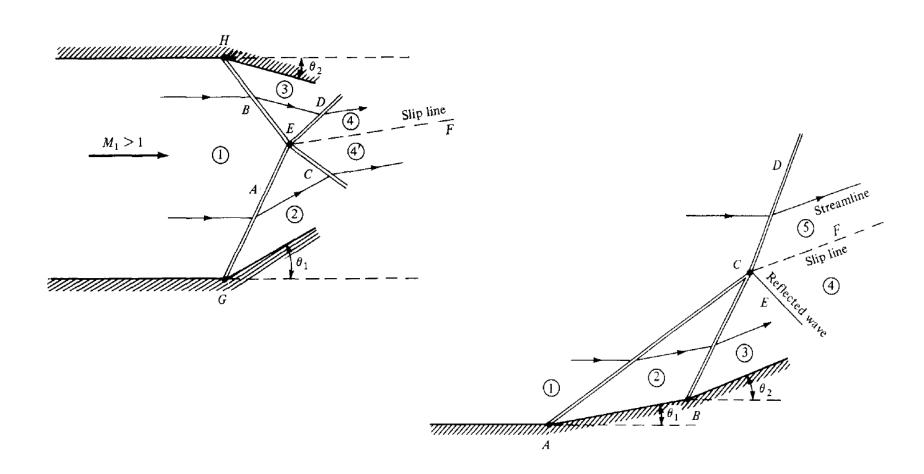


Mach disc nel caso di ugello sovra-espanso



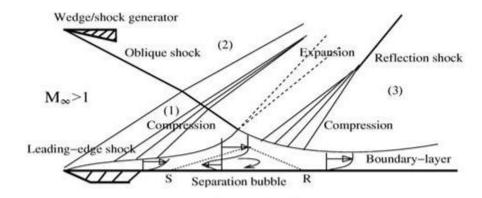


Interazione di urti





Interazione con lo strato limite





Interazione con lo strato limite

