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Shock waves**Supersonic Speed and Shock Waves Calc air converging diverging nozzle Mach 1p5 Fanno flow and Rayleigh Flow Fundamentals Gas dynamics 03 - Mach number and speed of sound**Compressible Flow- Normal Shock Wave – An Introduction [Le Chatelier's Principle](#) *Which way will the Equilibrium Shift? (Le Chatelier's Principle)* *Stagnation Conditions* *GD : Gas dynamics lectures* *Gas dynamics 02 - Conservation equations* *Mechanical Aptitude Tests - Questions and Answers Module 1 of Natural Gas Dynamics*
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gas constant and the ratio of specific heats of oxygen. The units are: pressure N/m2, temperature K, area m2 and mass flow rate kg/s. Assuming that the temperature of the oxygen in the bottle does not change with time, determine the time it takes to reduce the pressure to one half of its initial value. ?=0.1 m3 p1 =10 MPa T1 =293K =T2 p2 =5 MPa kg K J

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Fundamentals Of Gas Dynamics Solutions Fundamentals Conservation Laws Mach Number Generalized Gas Dynamics Equation Isentropic Flow Adiabatic Flow and The Loss Coefficient Diabatic Flow and The Heat Transfer Coefficient Isothermal Flow and The Loss Coefficient Normal Shock Generalized Gas Dynamics Tables Stepwise Solution

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