



Heat for Engineers: A Treatise on Heat with Special Regard to Its Practical Applications (Classic Reprint) (Paperback)

By Chas R Darling

Forgotten Books, United States, 2015. Paperback. Book Condition: New. 229 x 152 mm. Language: English . Brand New Book ***** Print on Demand *****.Excerpt from Heat for Engineers: A Treatise on Heat With Special Regard to Its Practical Applications Relative and absolute expansion - Tables of coefficients of expansion - Special cases of nickel-steel non-expansive alloy and vitrified silica - Anomalous expansion of water; maximum density - Uniform expansion of gases; Charles law; Practical Applications of the Property of Expansion; Expansion of rails, girders, boilers, and working parts of engines - Steam-pipe joints - Shrinking of tires, etc. - Contraction of metal castings - Allowance for contraction in making patterns - Breakage due to sudden expansion and contraction - Correction of measures - Scales of constant length - Correction for expansion of liquids - Thermo-regulators - Compound strips - Fire-alarms - Compensated balance-wheel of watch - Thermostats - Steam-traps, or water-ejectors - Compensated pendulums; The atmosphere - Atmospheric pressure - The mercury barometer - Fortin s barometer - Correction of readings - Normal barometric pressure - Aneroid barometer - Kinetic theory of matter - Distinctive properties of gases - Gaseous pressure - Boyle s law - Definition of a perfect...



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