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Autore	Den Hartog J. P (Jacob Pieter), <1901-1989.>
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BUCKLING; 36. Rayleigh's Method; 37. Coil Springs; Beams on Elastic Foundation; 38. Proof of Rayleigh's Theorem; 39. Vianello's or Stodola's Method; 40. Rings, Boiler Tubes, and Arches; 41. Twist-bend Buckling of Beams; 42. Buckling of Shafts by Torsion; 43. Twist Buckling of Columns; 44. Thin Flat Plates; CHAPTER IX. MISCELLANEOUS TOPICS; 45. Mohr's Circle for Three Dimensions; 46. Torsion of Pretwisted Thin-walled Sections
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Sommario/riassunto

Four decades ago, J.P. Den Hartog, then Professor of Mechanical Engineering at Massachusetts Institute of Technology, wrote Strength of Materials, an elementary text that still enjoys great popularity in engineering schools throughout the world. Widely used as a classroom resource, it has also become a favorite reference and refresher on the subject among engineers everywhere.This is the first paperback edition of an equally successful text by this highly respected engineer and author. Advanced Strength of Materials takes this important subject into areas of greater difficulty, masterfully br