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МЕХАНІКА МАТЕРІАЛІВ: ТЕОРІЯ ТА ЗАДАЧІ

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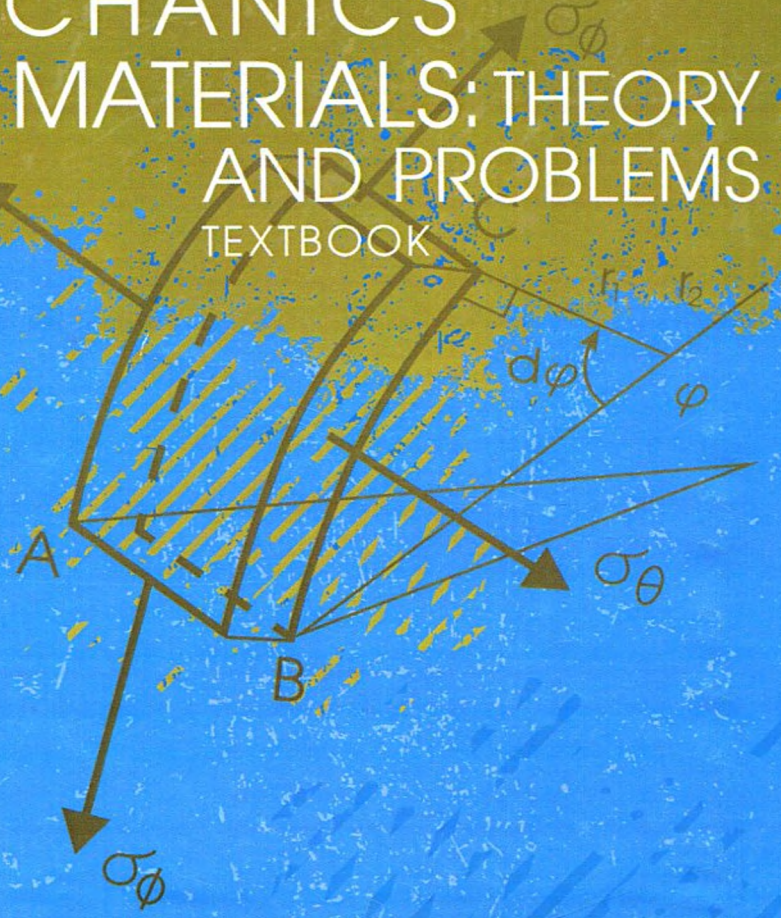
ПІДРУЧНИК

MECHANICS OF MATERIALS: THEORY AND PROBLEMS

A. Kutsenko
M. Bondar
V. Pryshliak

TEXTBOOK



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In this book the basic questions of Strength of materials are consistently expounded, among them: basic concepts and hypotheses of resistance of materials; calculations are on durability and rigidity of elements of constructions, which work on compression and tension, on direct shear and tw isting; a construction of diagrams of internal efforts is for a bar; a calculation of beams is on durability; methods of determination of deformations of beam: double - integration method, Castigliano's theorem and Verescagin's rule, their application, is for determining the unknown reactions of statically indeterminate of beams and frames.

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