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Development of Finite Elements for Two-Dimensional
Structural Analysis Using the Integrated Force Method

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Glenn Research Center

Independently Published, United States, 2018. Paperback. Condition: New. Language: English. Brand new Book. The Integrated Force Method has been developed in recent years for the analysis of structural mechanics problems. This method treats all independent internal forces as unknown variables that can be calculated by simultaneously imposing equations of equilibrium and compatibility conditions. In this paper a finite element library for analyzing two-dimensional problems by the Integrated Force Method is presented. Triangular- and quadrilateral-shaped elements capable of modeling arbitrary domain...

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