

A Survey of Books and Monographs on Plates

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A Survey of Books and Monographs on Plates

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Plates are used widely in all fields of engineering as one of the basic structural elements or machine parts, e. g., civil engineering structures, architectural structures, hydraulic structures, marine structures, aerospace structures, containers, instruments, etc. In view of importance of these wide applications, investigations on mechanical behavior of plates and developments of analytical and numerical methods for plate problems have been done extensively by a lot of researchers and construction engineers. In 1981, Naruoka published the monograph on plate research, in which over 12,000 research works on plate problems until April 1981 are listed. Since then overflowing research papers on plates have been appearing in many technical Journals.

Present survey article lists about 500 publications of books and monographs on plates (slabs) including some those dealing with disk problems. The list is arranged in alphabetical order of the author's name. Many of the citations have been checked from the original publications and the book review articles presented in technical Journals, e.g., Applied Mechanics Reviews, Bauingenieur, Bautechnik, Beton- und Stahlbetonbau, etc. But those from secondary sources are checked from the cross-reference. When the author began this survey work, the monograph by Naruoka was of great help. Many data of Russian publications are taken from Rabinovich's review book on Russian research works (1960), Szilard's text book on plates (1974), and Noor's survey article on shells (1990).

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