



Strojnícka fakulta

MECHANICS FOR ENGINEERS STATICS

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PREFACE

These lectures represent an introductory undergraduate course in basics of mechanics at the bachelor level of study on the Faculty of Mechanical Engineering, Technical University of Košice. The students are introduced to vector algebra and to the fundamental principles and laws used in statics. The lectures should help the student in orientation in theory as well as in practical computations used in practice. However, the content of lectures is limited, from our point of view, only to very basics and for further study we recommend literature given at the end of this text. Because, as a rule, the biggest problem of study of technical sciences is joined with application of theory, it is necessary to get sense of mastering by solution of practical examples. It is the only way to get skills that are necessary for appropriate idealization of problem and to its formulation in such a way that it inhere substantial relations representing real objects and processes without changing nature.

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Authors