

Mechanics of Materials

Objectives

This set of files represents an interactive teaching text intended for students of the bachelor's programme of study in its combined form. Its contents correspond to the course "Mechanics of Materials (cpp)". It can be used by all students who prefer studying in English or who need to get familiar with the English terminology in mechanics of materials.

This interactive teaching text contains **examples** and **problems** extended by a review of **theory**. This theoretical part explains the terms and relations at the level necessary for getting acquainted with the fundamentals of the solutions to the presented problems. Naturally, a communication between student and lecturer is assumed, typically, in the combined form of study, in seminars.

The interactive teaching text can be alternatively used also by students in the standard (full-time) form of study; however, it is only a complementary studying material here because a much higher portion of direct education is assumed in this form of studies.

Instructions

[click here](#)

This interactive teaching can be study *on-line* in internet using MS Internet explorer (version 5 or above), including ad-on module Adobe reader (version 6 or above).

CONTENT

↓ next

All files can be downloaded as a **zip**-file and unpacked in the only **dir**, named according your convenience. Then the individual chapters can be found in the single **pdf**-files and they are intended for displaying on the computer screen preferably. All those files contain interactive links, enabling the reader to change the page by mouse **click** and to reach the related theme in other parts in this way. In addition it is possible to open any **pdf**-file in the only directory containing all the files. In this case you need the free viewer *Adobe reader* at least in version 6 only.

Control

Sequential moving through the individual pages in the file may be performed by mouse **click** in rectangles containing links („next“, „previous“) at the bottom of the page or by computer keyboard using the keys PgDn or PgUp. Any page in an other file can be similarly reached by a mouse click in the rectangles containing the text of link or by opening the appropriate file in the **dir**.

Classical display can be set by the Esc-key. In this case, the viewer displays the standard menu for usual work (including the return to the fullscreen mode).

Accesses to all chapters are assembled in the file **obsah.pdf**, which contains also links to the central index and a list of examples and problems.

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