



UNIVERSITY OF BELGRADE
FACULTY OF MECHANICAL ENGINEERING
AEROSPACE ENGINEERING DEPARTMENT

Course title

Report title

First name Last Name 

vazmfb.com/course/

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Nomenclature

σ	Stress tensor
ε	Deformation vector
\mathbf{c}	Matrix of elastic characteristics of materials
Π	Potential energy
V	Body volume

Listings

2.1	Program caption	2
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1

Chapter One

“Something very smart and related to the topic...”

– First name Last Name¹

First chapter text

1.1 First section

Inserting an image (image 1.1) into the report



Figure 1.1 - Figure caption

1.1.1 First subsection

Lists and two columns on page

- | | |
|----------|-----------|
| • First | 1. First |
| • Second | 2. Second |
| • Third | 3. Third |

¹Footnote text about this author

New chapter

Website address with link: `https://vazmfb.com`

Text with link to vazmfb.com

Equation 2.1

$$\Pi = \frac{1}{2} \int_V \boldsymbol{\varepsilon}^T \boldsymbol{\sigma} \, \mathrm{d}V = \frac{1}{2} \int_V \boldsymbol{\varepsilon}^T \mathbf{c} \boldsymbol{\varepsilon} \, \mathrm{d}V \tag{2.1}$$

Program example:

Listing 2.1 - Program caption

```
1 disp('Hello world!')
2 disp('This is an example of a GNU Octave listing in LaTeX')
```

Example of **matrix equations**

$$\begin{bmatrix} \sigma_{xx} \\ \sigma_{yy} \\ \sigma_{zz} \\ \sigma_{yz} \\ \sigma_{xz} \\ \sigma_{xy} \end{bmatrix} = \begin{bmatrix} c_{11} & c_{12} & c_{13} & c_{14} & c_{15} & c_{16} \\ & c_{22} & c_{23} & c_{24} & c_{25} & c_{26} \\ & & c_{33} & c_{34} & c_{35} & c_{36} \\ & & & c_{44} & c_{45} & c_{46} \\ & & & & c_{55} & c_{56} \\ \text{Sim.} & & & & & c_{66} \end{bmatrix} \begin{bmatrix} \varepsilon_{xx} \\ \varepsilon_{yy} \\ \varepsilon_{zz} \\ \gamma_{yz} \\ \gamma_{xz} \\ \gamma_{xy} \end{bmatrix} \tag{2.2}$$

Example of literature citation[1].

Bibliography

- [1] M. Petrašinović, A. Grbović, D. Petrašinović, M. Petrović, and N. Raičević, “Real coded mixed integer genetic algorithm for geometry optimization of flight simulator mechanism based on rotary stewart platform,” *Appl. Sci.*, vol. 12, p. 7085, 2022. DOI: 10.3390/app12177085.



Some appendix

Appendix text
Example table

Table A.1 - Table caption

First cell	Right
Down	Diagonal

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