University of Belgrade
Faculty of Mechanical Engineering
Aerospace Engineering Department

Course title

Report title

First name Last Name

vazmfb.com/course/

Belgrade, 2021

Contents

Contents i

List of Figures ii

List of Tables iii

Nomenclature iv

Listings v

1 Chapter One 1
1.1 First section 1
1.1.1 First subsection 1

2 New chapter 2

Appendices 3

A Some appendix 3

Index 4

List of Figures

1.1 Figure caption 1

List of Tables

A.1 Table caption 3

Nomenclature

$\boldsymbol{\sigma}$	Stress tensor
$\boldsymbol{\varepsilon}$	Deformation vector
$\boldsymbol{c}$	Matrix of elastic characteristics of materials
Π	Potential energy
V	Body volume

Listings

2.1 Program caption 2

1

Chapter One

"Something very smart and related to the topic..."

– First name Last Name[1]

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
- Second
- Third

1. First
2. Second
3. Third

[1]Footnote text about this author

2

New chapter

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

Text with link to vazmfb.com

Equation 2.1

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

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**

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

A

Some appendix

Appendix text

Example table

Table A.1 - Table caption

First cell	Right
Down	Diagonal

Index

First name Last Name, 1