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ABC Spelled-out abbreviation and definition BABI Spelled-out abbreviation and definition CABR Spelled-out abbreviation and definition

# Part I Part Title

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# **Chapter 1 Chapter Heading**

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Please use the 'starred' version of the new abstract command for typesetting the text of the online abstracts (cf. source file of this chapter template abstract) and include them with the source files of your manuscript. Use the plain abstract command if the abstract is also to appear in the printed version of the book.

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Please note that the first line of text that follows a heading is not indented, whereas the first lines of all subsequent paragraphs are.

Use the standard equation environment to typeset your equations, e.g.,

$$a \times b = c , \tag{1.1}$$

1 Chapter Heading

however, for multiline equations we recommend to use the align environment<sup>1</sup>.

$$\left|\nabla U_{\alpha}^{\mu}(y)\right| \le \frac{1}{d-\alpha} \int \left|\nabla \frac{1}{|\xi - y|^{d-\alpha}}\right| d\mu(\xi) = \int \frac{1}{|\xi - y|^{d-\alpha+1}} d\mu(\xi) \tag{1.2}$$

$$= (d - \alpha + 1) \int_{d(y)}^{\infty} \frac{\mu(B(y, r))}{r^{d - \alpha + 2}} dr \le (d - \alpha + 1) \int_{d(y)}^{\infty} \frac{r^{d - \alpha}}{r^{d - \alpha + 2}} dr \qquad (1.3)$$

#### 1.2.1 Subsection Heading

Instead of simply listing headings of different levels we recommend to let every heading be followed by at least a short passage of text. Further on please use the LATEX automatism for all your cross-references and citations as has already been described in Sect. 1.2.

Please do not use quotation marks when quoting texts! Simply use the quotation environment – it will automatically be rendered in the preferred layout.

#### 1.2.1.1 Subsubsection Heading

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#### Paragraph Heading

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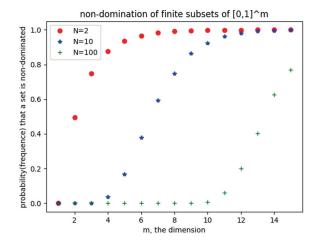
For typesetting numbered lists we recommend to use the enumerate environment – it will automatically render Springer Nature's preferred layout.

<sup>&</sup>lt;sup>1</sup> In physics texts please activate the class option vecphys to depict your vectors in *boldface-italic* type – as is customary for a wide range of physical subjects.

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1.2 Section Heading 5

Fig. 1.1 If the width of the figure is less than 7.8 cm use the sidecapion command to flush the caption on the left side of the page.



- Livelihood and survival mobility are oftentimes coutcomes of uneven socioeconomic development.
  - a. Livelihood and survival mobility are oftentimes coutcomes of uneven socioeconomic development.
  - Livelihood and survival mobility are oftentimes coutcomes of uneven socioeconomic development.
- Livelihood and survival mobility are oftentimes coutcomes of uneven socioeconomic development.

#### Subparagraph Heading

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For unnumbered list we recommend to use the itemize environment – it will automatically render Springer Nature's preferred layout.

- Livelihood and survival mobility are oftentimes coutcomes of uneven socioeconomic development, cf. Table 1.1.
  - Livelihood and survival mobility are oftentimes coutcomes of uneven socioeconomic development.
  - Livelihood and survival mobility are oftentimes coutcomes of uneven socioeconomic development.
- Livelihood and survival mobility are oftentimes coutcomes of uneven socioeconomic development.

6 1 Chapter Heading

Table 1.1 Please write your table caption here

| Classes     | Subclass          | Length     | Action Mechanism                      |
|-------------|-------------------|------------|---------------------------------------|
| Translation | mRNA <sup>a</sup> | 22 (19–25) | Translation repression, mRNA cleavage |
| Translation | mRNA cleavage     | 21         | mRNA cleavage                         |
| Translation | mRNA              | 21–22      | mRNA cleavage                         |
| Translation | mRNA              | 24–26      | Histone and DNA Modification          |

<sup>&</sup>lt;sup>a</sup> Table foot note (with superscript)

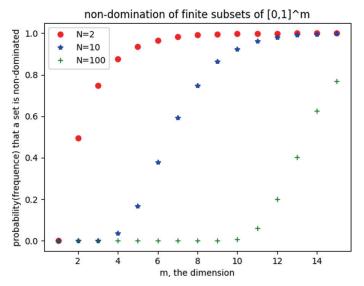


Fig. 1.2 Please write your figure caption here

**Run-in Heading Boldface Version** Use the LATEX automatism for all your cross-references and citations as has already been described in Sect. 1.2.

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1.3 Section Heading 7

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- Type 1 That addresses central themes pertaining to migration, health, and disease. In Sect. 1.1, Wilson discusses the role of human migration in infectious disease distributions and patterns.
- Type 2 That addresses central themes pertaining to migration, health, and disease. In Sect. 1.2.1, Wilson discusses the role of human migration in infectious disease distributions and patterns.

#### 1.3.1 Subsection Heading

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If you want to emphasize complete paragraphs of texts we recommend to use the newly defined Springer Nature class option and environment svgraybox. This will produce a 15 percent screened box 'behind' your text.

#### 1.3.1.1 Subsubsection Heading

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Please note that the first line of text that follows a heading is not indented, whereas the first lines of all subsequent paragraphs are.

**Theorem 1.1** *Theorem text goes here.* 

**Definition 1.1** Definition text goes here.

*Proof.* Proof text goes here.

8 1 Chapter Heading

**Theorem 1.2** Theorem text goes here.

**Definition 1.2** Definition text goes here.

Proof. Proof text goes here.

#### **Trailer Head**

If you want to emphasize complete paragraphs of texts in a Trailer Head we recommend to use

```
\begin{trailer}{Trailer Head}
...
\end{trailer}
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#### ? Questions

If you want to emphasize complete paragraphs of texts in an  $\mathsf{Questions}$  we recommend to use

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\begin{questype}{Questions}
...
\end{questype}
```

#### > Important

If you want to emphasize complete paragraphs of texts in an Important we recommend to use

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\begin{important}{Important}
...
\end{important}
```

1.3 Section Heading 9

#### **!** Attention

If you want to emphasize complete paragraphs of texts in an Attention we recommend to use

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\begin{warning}{Attention}
...
\end{warning}
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#### **Program Code**

If you want to emphasize complete paragraphs of texts in a Program Code we recommend to use

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\begin{programcode}{Program Code}
\begin{verbatim}...\end{verbatim}
\end{programcode}
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#### Tips

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\begin{tips}{Tips}
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\end{tips}
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#### Overview

If you want to emphasize complete paragraphs of texts in an Overview we recommend to use

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\begin{overview}{Overview}
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\end{overview}
```

10 1 Chapter Heading

#### **Background Information**

If you want to emphasize complete paragraphs of texts in a Background Information we recommend to use

```
\begin{backgroundinformation}{Background Information}
...
\end{backgroundinformation}
```

#### **Legal Text**

If you want to emphasize complete paragraphs of texts in a Legal Text we recommend to use

```
\begin{legaltext}{Legal Text}
...
\end{legaltext}
```

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#### **Appendix**

When placed at the end of a chapter or contribution (as opposed to at the end of the book), the numbering of tables, figures, and equations in the appendix section continues on from that in the main text. Hence please *do not* use the appendix command when writing an appendix at the end of your chapter or contribution. If there is only one the appendix is designated "Appendix", or "Appendix 1", or "Appendix 2", etc. if there is more than one.

$$a \times b = c \tag{1.4}$$

#### **Problems**

**1.1** A given problem or Excercise is described here. The problem is described here. The problem is described here.

#### 1.2 Problem Heading

- (a) The first part of the problem is described here.
- (b) The second part of the problem is described here.

#### 1.4 Styling of References

References may be *cited* in the text either by number (preferred) or by author/year.<sup>3</sup> If the citation in the text is numbered, the reference list should be arranged in ascending order. If the citation in the text is author/year, the reference list should be *sorted* alphabetically and if there are several works by the same author, the following order should be used:

- 1. all works by the author alone, ordered chronologically by year of publication
- 2. all works by the author with a coauthor, ordered alphabetically by coauthor
- 3. all works by the author with several coauthors, ordered chronologically by year of publication.

The *styling* of references<sup>4</sup> depends on the subject of your book:

- The *two* recommended styles for references in books on *mathematical*, *physical*, *statistical and computer sciences* are depicted in [1, 2, 3, 4, 5] and [6, 7, 8, 9, 10].
- Examples of the most commonly used reference style in books on *Psychology, Social Sciences* are [11, 12, 13, 14, 15].
- Examples for references in books on *Humanities, Linguistics, Philosophy* are [16, 17, 18, 19, 20].
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<sup>&</sup>lt;sup>3</sup> Make sure that all references from the list are cited in the text. Those not cited should be moved to a separate *Further Reading* section or chapter.

<sup>&</sup>lt;sup>4</sup> Always use the standard abbreviation of a journal's name according to the ISSN *List of Title Word Abbreviations*, see https://www.issn.org/services/online-services/access-to-the-ltwa/

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# Appendix A Chapter Heading

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#### A.1 Section Heading

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#### A.1.1 Subsection Heading

Instead of simply listing headings of different levels we recommend to let every heading be followed by at least a short passage of text. Furtheron please use the LATEX automatism for all your cross-references and citations as has already been described in Sect. A.1.

For multiline equations we recommend to use the align environment.

$$\mathbf{a} \times \mathbf{b} = \mathbf{c}$$

$$\mathbf{a} \times \mathbf{b} = \mathbf{c}$$
(A.1)

#### A.1.1.1 Subsubsection Heading

Instead of simply listing headings of different levels we recommend to let every heading be followed by at least a short passage of text. Furtheron please use the LATEX automatism for all your cross-references and citations as has already been described in Sect. A.1.1.

Please note that the first line of text that follows a heading is not indented, whereas the first lines of all subsequent paragraphs are.

14 A Chapter Heading

**Fig. A.1** Please write your figure caption here

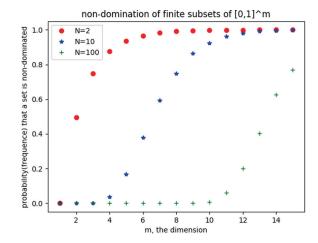


Table A.1 Please write your table caption here

| Classes     | Subclass          | Length     | Action Mechanism                      |
|-------------|-------------------|------------|---------------------------------------|
| Translation | mRNA <sup>a</sup> | 22 (19–25) | Translation repression, mRNA cleavage |
| Translation | mRNA cleavage     | 21         | mRNA cleavage                         |
| Translation | mRNA              | 21–22      | mRNA cleavage                         |
| Translation | mRNA              | 24–26      | Histone and DNA Modification          |

Table foot note (with superscript)

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# **Solutions**

## **Problems of Chapter 1**

**1.1** The solution is revealed here.

#### 1.2 Problem Heading

- (a) The solution of first part is revealed here.(b) The solution of second part is revealed here.

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