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



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# **Chapter 1**

## **Chapter Heading**

**Abstract** Each chapter should be preceded by an abstract (no more than 200 words) that summarizes the content. The abstract will appear *online* at www.SpringerLink.com and be available with unrestricted access. This allows unregistered users to read the abstract as a teaser for the complete chapter.

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

$$a \times b = c , \quad (1.1)$$

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

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

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

### 1.2.1 Subsection Heading

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#### 1.2.1.1 Subsubsection Heading

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#### Paragraph 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.

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

1. Livelihood and survival mobility are oftentimes outcomes of uneven socioeconomic development.
  - a. Livelihood and survival mobility are oftentimes outcomes of uneven socioeconomic development.
  - b. Livelihood and survival mobility are oftentimes outcomes of uneven socioeconomic development.
2. Livelihood and survival mobility are oftentimes outcomes of uneven socioeconomic development.

#### *Subparagraph Heading*

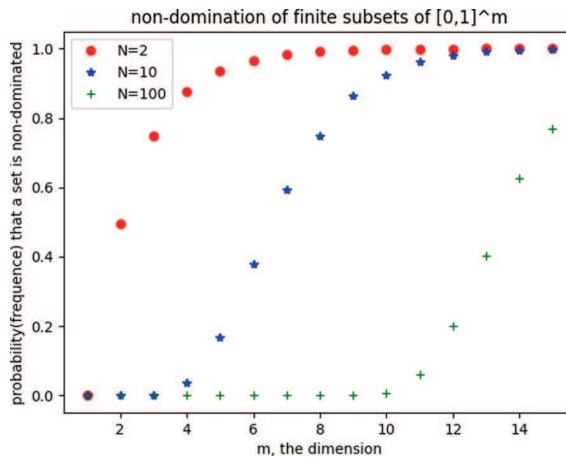
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Please note that the first line of text that follows a heading is not indented, whereas the first lines of all subsequent paragraphs are.

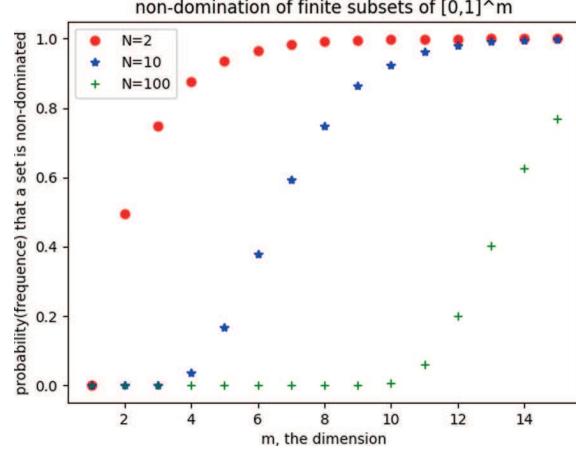
For unnumbered list we recommend to use the `itemize` environment – it will automatically render Springer's preferred layout.

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

**Fig. 1.1** If the width of the figure is less than 7.8 cm use the `sidecaption` command to flush the caption on the left side of the page. If the figure is positioned at the top of the page, align the `sidecaption` with the top of the figure – to achieve this you simply need to use the optional argument `[t]` with the `sidecaption` command



**Fig. 1.2** Please write your figure caption here



**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

Table foot note (with superscript)

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

**Run-in Heading Boldface Version** Use the L<sup>A</sup>T<sub>E</sub>X automatism for all your cross-references and citations as has already been described in Sect. 1.2.

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Use the L<sup>A</sup>T<sub>E</sub>X automatism for all your cross-references and citations as has already been described in Sect. 1.2.

## 1.3 Section Heading

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

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

#### 1.3.1.1 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. 1.2.

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. □

### Paragraph 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 L<sup>A</sup>T<sub>E</sub>X automatism for all your cross-references and citations as has already been described in Sect. 1.2.

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

**Theorem 1.2** *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}
```

---

### ? Questions

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

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

---

**> Important**

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

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

---

**! Attention**

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\begin{warning}{Attention}
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\end{warning}
```

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**Program Code**

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```
\begin{programcode}{Program Code}
\begin{verbatim}... \end{verbatim}
\end{programcode}
```

---

**Tips**

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...
\end{tips}
```

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## Overview

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

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

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## Legal Text

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```
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...
\end{legaltext}
```

---

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$$a \times b = c \quad (1.4)$$

## 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 Duchesne and MacGregor (2004), Kourti and MacGregor (1996).

## References

- Duchesne C, MacGregor JF (2004) Establishing multivariate specification regions for incoming materials. *J Qual Technol* 36(1):78–94  
Kourti T, MacGregor JF (1996) Multivariate SPC methods for process and product monitoring. *J Qual Technol* 28(4):409–428



# Appendix A

## Chapter Heading

*All's well that ends well*

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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 L<sup>A</sup>T<sub>E</sub>X 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 *eqnarray* environment.

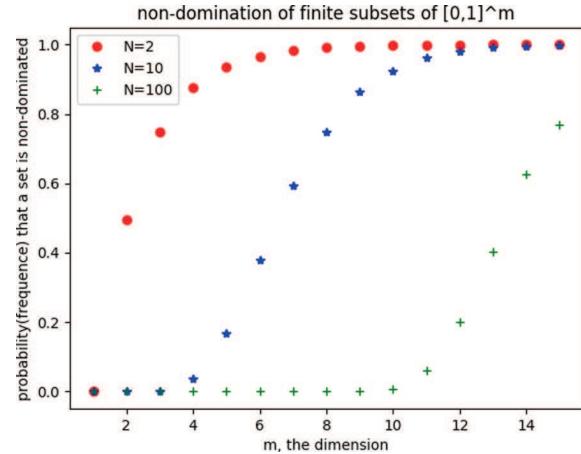
$$\begin{aligned} \mathbf{a} \times \mathbf{b} &= \mathbf{c} \\ \mathbf{a} \times \mathbf{b} &= \mathbf{c} \end{aligned} \tag{A.1}$$

##### 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 L<sup>A</sup>T<sub>E</sub>X 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.

**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)

# Glossary

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**glossary term** Write here the description of the glossary term. Write here the description of the glossary term. Write here the description of the glossary term.

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**glossary term** Write here the description of the glossary term. Write here the description of the glossary term. Write here the description of the glossary term.



# 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.



# **Index**

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