Sample Document using the glossaries Package

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Abstract

This is a sample document illustrating the use of the glossaries package. In this example, a new glossary type called notation is defined, so that the document can have a separate glossary of terms, list of acronyms and index of notation.
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Glossary

**cardinality** The number of elements in the specified set. 1

**set** A collection of distinct objects. 1
Acronyms

**AD** axiom of determinacy.  1, 2

**NF** new foundations.  1, 2

**ZFC** Zermelo-Fraenkel set theory.  1, 2
Notation

$S$ A set. 1

$\emptyset$ The empty set. 1, 2

$|S|$ cardinality of $S$. 1
Chapter 1

Introduction

Sets are denoted by a calligraphic font e.g. $S$.

The cardinality of a set $S$ is denoted $|S|$. The empty set is denoted $\emptyset$.

Here are some acronyms: new foundations (NF), Zermelo-Fraenkel set theory (ZFC) and axiom of determinacy (AD).
Chapter 2

Another Chapter

Another mention of the empty set $\emptyset$.

Here are the acronyms again: NF, ZFC and AD.