Sample Document using the glossaries Package

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Abstract

This is a sample document illustrating the use of the \texttt{glossaries} package. In this example, a new glossary type called \texttt{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

\( \mathcal{S} \) A set. 1
\( \emptyset \) The empty set. 1, 2
\( | \mathcal{S} | \) cardinality of \( \mathcal{S} \). 1
Chapter 1

Introduction

Sets are denoted by a calligraphic font e.g. $\mathcal{S}$.

The cardinality of a set $\mathcal{S}$ is denoted $|\mathcal{S}|$. 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.