

elite-texyz

A \LaTeX -package for and from SE students

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1 Usage

The aim of this package is to provide students of the Elite Graduate Program Software Engineering with \LaTeX -commands useful for creating documents for the Program's several courses.

To use the package in your \LaTeX -document use the command `\usepackage{elite-texyz}`.

2 Commands

2.1 General

Description	Command	Example	Result
declaring a natural number n	<code>\ninN</code>		$n \in \mathbb{N}$
declaring an arbitrarily named natural number	<code>\inN{#1}</code>	<code>\inN{i}</code>	$i \in \mathbb{N}$
cartesian product over multiple sets	<code>\bigcartesian</code>	<code>\bigcartesian_{i=1}^n S_i</code>	$X_{i=1}^n S_i$

2.2 Modelling, Specification and Verification of Reactive Systems

Description	Command	Example	Result
set containing all possible traces on LTS-signature Σ	<code>\traces</code>		Σ^ω
finite run extendable into	<code>\extinto</code>		\in_ω
weak transition in CSS	<code>\xrightarrow{\#1}</code>	<code>\xrightarrow{a}</code>	\Rightarrow^a