

IstEventB.sty

None

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1. lstEventB.sty

[lstEventB.sty](#) is a LaTeX package for listing [Event-B](#) models. It was developed at the [University of Southampton](#).

2. User Guide

2.1 Package Loading

Just like any other package, you need to request this package with a `usepackage` command in the preamble. So in the simpler case (i.e., without any options), one just types

```
\usepackage{lstEventB}
```

to load the package

2.2 Package Options

[lstEventB.sty](#) currently support the following options

- `colour` | `color`: Enable the colours for Event-B code.

2.3 Typsetting Event-B Code

The current supported syntax is from [CamilleX](#). In particular, the Event-B mathematical symbols can be typeset using Unicode symbols. Alternatively, the mathematical symbols can be typeset using ASCII combinations (similar to the [Event-B Summary](#), with the exception that the text combinations must be prefixed by ! (this is to prevent unintended translation of text in longer words). Some other symbols, e.g. \cdot and $|$ also need to be !-prefixed.

2.3.1 Predicate-related Symbols

The following table shows the ASCII input for typesetting predicate-related symbols. Predicates

2.3.2 Set-related Symbols

The following table shows the ASCII input for typesetting set-related symbols. Sets