

# IstEventB.sty

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None

*Thai Son Hoang*

*None*

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# 1. lstEventB.sty

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

## 2. User Guide

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### 2.1 Package Loading

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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

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

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

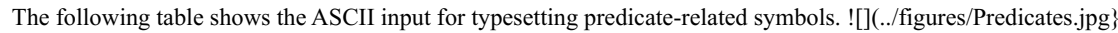
## 2.3 Typsetting Event-B Code

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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  $\mid$  also need to be !-prefixed.

### 2.3.1 Predicate-related Symbols

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

### 2.3.2 Set-related Symbols

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