

# simplebnf — A simple package to format Backus-Naur form\*

Jay Lee<sup>†</sup>

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This package provides a simple way to typeset grammars written in Backus-Naur form (BNF).

```
\bnfexpr \bnfannot
```

These commands are wrappers around `\textttt` and `\textit` respectively.

```
\begin{bnfgrammar} text\end{bnfgrammar}
```

can be used to typeset BNF grammars. The *text* inside the environment should be formatted as:

```
term1 ::= rhs1
;;
term2 ::= rhs2
;;
...
termk ::= rhsk
```

where each of the *rhs* represents alternative syntactic forms of the *term*. An annotation may accompany each alternative in which case the alternative must be separated from its annotation with a colon (:). If you don't need annotations, simply omit the colons and annotations altogether. The alternatives themselves are separated using the pipe symbol (|).

A sample code and the result is shown below:

<pre>\begin{bnfgrammar}   expr ::=     expr + term : sum     term      : term   ;;   term ::=     term * a : product     a       : variable \end{bnfgrammar}</pre>	<pre>expr ::= expr + term  sum         term          term term ::= term * a    product         a             variable</pre>
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\*This file describes v0.2.0.

<sup>†</sup>E-mail: jaeho.lee@snu.ac.kr