

1

<code>\big</code>	<code>\Big</code>	<code>\bigg</code>	<code>\Bigg</code>
<code>\bigl</code>	<code>\Bigl</code>	<code>\biggl</code>	<code>\Biggl</code>
<code>\bigm</code>	<code>\Bigm</code>	<code>\biggm</code>	<code>\Biggm</code>
<code>\bigr</code>	<code>\Bigr</code>	<code>\biggr</code>	<code>\Bigr</code>

These commands make delimiters bigger than their normal size. The commands in the four columns produce successively larger sizes. The difference between `\big`, `\bigl`, `\bigr`, and `\bigm` has to do with the class of the enlarged delimiter:

- `\big` produces an ordinary symbol.
- `\bigl` produces an opening symbol.
- `\bigr` produces a closing symbol.
- `\bigm` produces a relation symbol.

TeX uses the class of a symbol in order to decide how much space to put around that symbol.

These commands, unlike `\left` and `\right`, do *not* define a group.

Example:

```
$(x) \quad \bigl(x\bigr) \quad \Bigl(x\Bigr) \quad \quad \quad \biggl(x\biggr) \quad \Biggl(x\Biggr)\quad \quad \quad [x] \quad \bigl[x\bigr] \quad \Bigl[x\Bigr] \quad \quad \quad \biggl[x\biggr] \quad \Biggl[x\Biggr]$$
```

produces:

(x)

(x)

(x)

(x)

(x)

$[x]$

$[x]$

$[x]$

$[x]$

$[x]$