A one page symbol guide for \LaTeX\ 2\epsilon

### Binary relations and operations

+  
−  
\cup  
\cap  
\times  
\div  
\wedge  
\vee  
\leq  
\geq  
\neq  
\cdot  
\cap  
\cup  
\land  
\lor  
\in  
\ni  
\approx  
\cong  
\equiv

### Variable-size symbols (these take limits)

\bigcap  
\bigcup  
\sum  
\int  
\bigoplus

### Some trigonometric and similar symbols

\sin  
\cos  
\tan  
\ln  
\lim  
\log  
\gcd  
\ker

### Braces and similar constructions

\{  
\}  
\langle  
\rangle

### Delimiters (resized with \left and \right)

<table>
<thead>
<tr>
<th>symbol</th>
<th>command</th>
<th>symbol</th>
<th>command</th>
</tr>
</thead>
<tbody>
<tr>
<td>{ \ and }</td>
<td>{ \ and }</td>
<td></td>
<td></td>
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<tr>
<td>| \</td>
<td></td>
<td>( ) \ and ( )</td>
<td></td>
</tr>
</tbody>
</table>

### Some fancy fonts (with amsfonts)

<table>
<thead>
<tr>
<th>Name</th>
<th>command</th>
<th>Name</th>
<th>command</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fraktur:</td>
<td>\mathfrak</td>
<td>A, B, C, D, ...</td>
<td>a, b, c, d, ...</td>
</tr>
<tr>
<td>Calligraphic</td>
<td>\mathcal</td>
<td>A, B, C, D, ...</td>
<td>a, b, c, d, ...</td>
</tr>
<tr>
<td>Black board bold</td>
<td>\mathbb</td>
<td>A, B, C, D, ...</td>
<td>a, b, c, d, ...</td>
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</tbody>
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