

March 3, 1989

### Commutative diagrams

These were adapted from those in *AmS-TEX* (see p. 146 of *The Joy of TEX*). All of the horizontal arrows will stretch with the superscripts and subscripts. These can also be used outside of `\CD`, where they will be somewhat shorter. You must put `icdj` in with the other style options, for example `\documentstyle[12pt,cd]article`. The @-commands from the *AmS-TEX* still work, but the new `\cd-style` is the preferred format. The table below shows the arrows and names, along with suggested abbreviations.

Arrow	Name	Abbr.	Arrow	Name	Abbr.
	<code>\cd\rightarrow,</code> <code>cd&gt;</code>	<code>\cdr</code>		<code>\cd\leftarrow,</code> <code>cd&lt;</code>	<code>\cdl</code>
	<code>\cd\rightleftarrows</code>	<code>\cdrl</code>		<code>\cd\leftrightarrows</code>	<code>\cdlr</code>
*	<code>\cd\uparrow</code>	<code>\cdu</code>	*	<code>\cd\downarrow</code>	<code>\cdd</code>