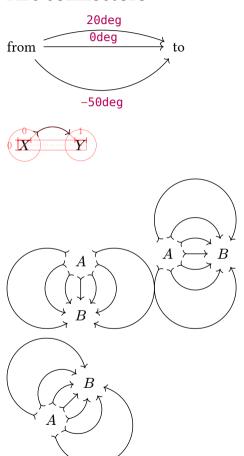
Connectors



Arc connectors



Matching math arrows

Compare to \rightarrow , \Rightarrow \Rightarrow \rightarrow , \hookrightarrow , \mapsto .

Compare our output to the reference symbol in default math font.



Double and triple lines

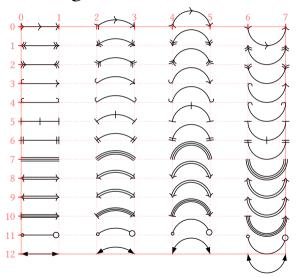
Diagram $A \xrightarrow{f} B$ and equation $A \to B$.

Diagram $A \stackrel{f}{\Longrightarrow} B$ and equation $A \Rightarrow B$.

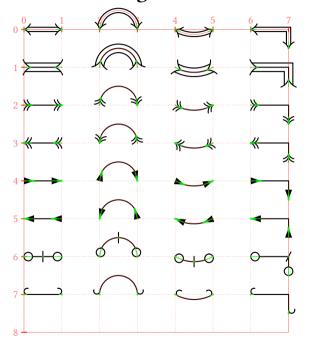
Diagram $A \stackrel{f}{\Longrightarrow} B$ and equation $A \Rightarrow B$.

Arrow head shorthands

Bending arrows



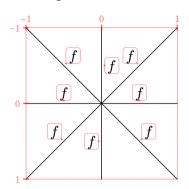
Fine mark angle corrections



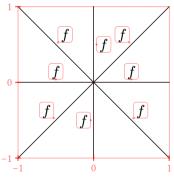


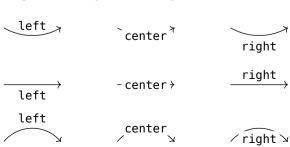
Automatic label placement

Default placement above the line.



Reversed *y*-axis:





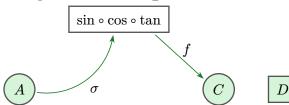
Crossing connectors

 \times

edge() argument shorthands



Diagram-level options



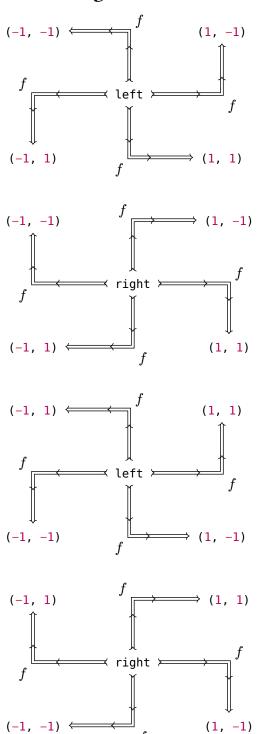
CeTZ integration



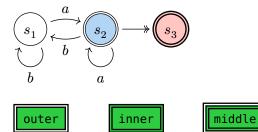
Node bounds, inset, and outset

```
\begin{array}{c}
0 \\
0 \\
\text{hello} \iff \text{there}
\end{array}
```

Corner edges



Double node strokes

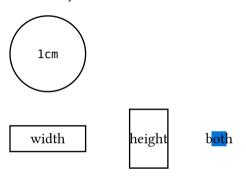


Relative and absolute extrusion lengths



Custom node sizes

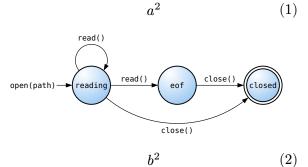
Make sure provided dimensions are exact, not affected by node inset.



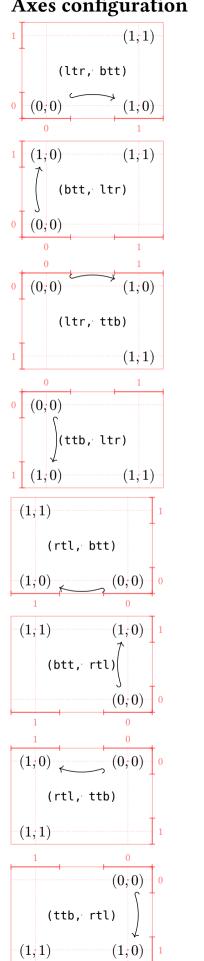


Example

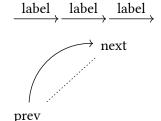
Make sure node or edge labels don't pick up equation numbers!



Axes configuration



Implicit from and to points



Edge positional arguments

Explicit named arguments versus implicit positional arguments.

Each row should be the same thing repeated.

Symbol arrow aliases

Math	Unicode	Mark	Diagram
\rightarrow	\rightarrow	->	$\stackrel{-}{\longrightarrow}$
\longrightarrow	?	->	\longrightarrow
\leftarrow	←	<-	
\leftrightarrow	\leftrightarrow	<->	\longleftrightarrow
\longleftrightarrow	?	<->	\longleftrightarrow
→	?	->>	
«	?	<<-	*
\rightarrow	?	>->	\longrightarrow
\leftarrow	?	<-<	\leftarrow
\Rightarrow	\Rightarrow	=>	\Longrightarrow
\Rightarrow	?	=>	\Longrightarrow
(?	<=	
\Leftrightarrow	\Leftrightarrow	<=>	\longleftrightarrow
\iff	?	<=>	\longleftrightarrow
\mapsto	\mapsto	->	\longmapsto
\Rightarrow	?	=>	\Longrightarrow
৵	?	none!	none!
₩	?	none!	none!
\hookrightarrow		hook->	\hookrightarrow
\leftarrow		<-hook'	← →

Math-mode diagrams

The following diagrams should be identical:

$$G \xrightarrow{f} \operatorname{im}(f)$$

$$\downarrow^{\pi} \qquad \tilde{f} \qquad \tilde{f}$$

$$G/\ker(f)$$

$$G \xrightarrow{\tilde{f}} \operatorname{im}(f)$$

$$\downarrow^{\pi} \qquad \tilde{f} \qquad \tilde{f}$$

$$G/\ker(f)$$

Relative node coordinates

$$G \xrightarrow{f} \operatorname{im}(f)$$

 $\begin{array}{ccc} G & \longrightarrow & \operatorname{Im}(f) \\ & & \tilde{f} & & \end{array}$

 $G/\ker(f)$