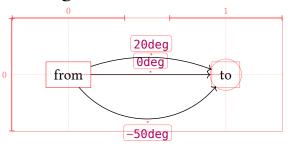
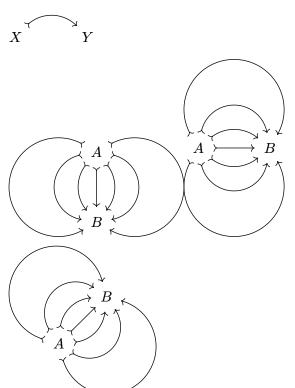
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Arc edges

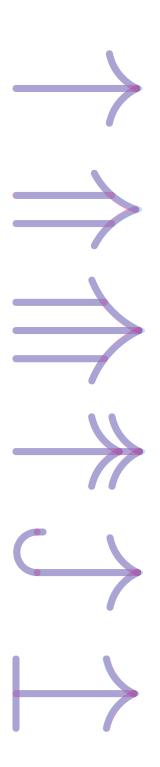




Matching math arrows

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

Our output versus reference symbol in default math font.



Double and triple lines

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

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

Diagram $A \xrightarrow{f} B$ and equation $A \Rightarrow B$

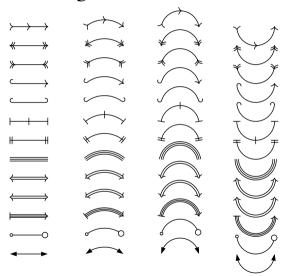
Diagram $A \Longrightarrow^f B$ and equation $A \Rightarrow B$.

Arrow head shorthands

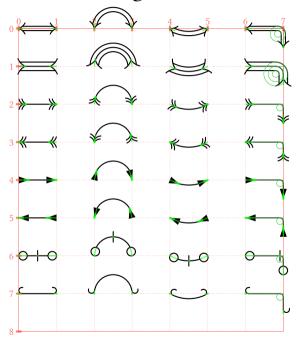
Symbol arrow aliases

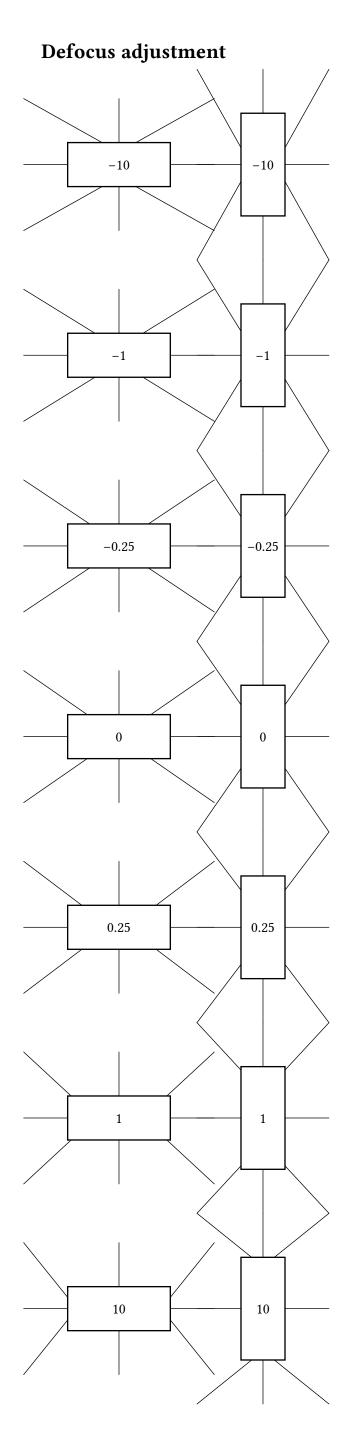
	İ	i	i
Math	Unicode	Mark	Diagram
\rightarrow	\rightarrow	->	\longrightarrow
\longrightarrow	?	->	\longrightarrow
\leftarrow	←	<-	
\leftrightarrow	\leftrightarrow	<->	\longleftrightarrow
\longleftrightarrow	?	<->	\longleftrightarrow
→	?	->>	*************************************
«	?	<<-	*
\rightarrow	?	>->	\longrightarrow
\leftarrow	?	<-<	
\Rightarrow	\Rightarrow	=>	\Longrightarrow
\Rightarrow	?	=>	\Longrightarrow
\leftarrow	?	<=	
\Leftrightarrow	\Leftrightarrow	<=>	\iff
\Leftrightarrow	?	<=>	\longleftrightarrow
\mapsto	\mapsto	->	\longmapsto
\Rightarrow	?	=>	\longmapsto
^>	?	none!	none!
₩	?	none!	none!
\hookrightarrow		hook->	\hookrightarrow
\leftarrow		<-hook'	

Bending arrows

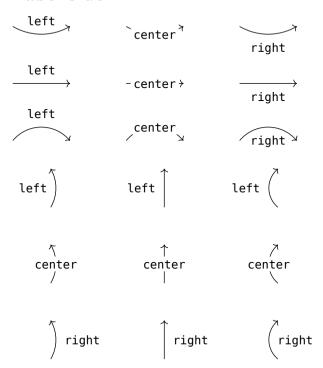


Fine mark angle corrections



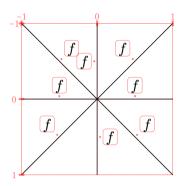


Label side

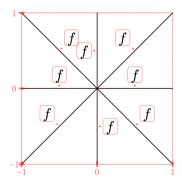


Automatic label placement

Default placement above the line.



Reversed *y*-axis:



Crossing connectors



edge() argument shorthands

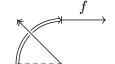
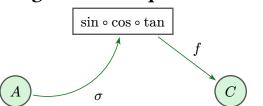


Diagram-level options



D

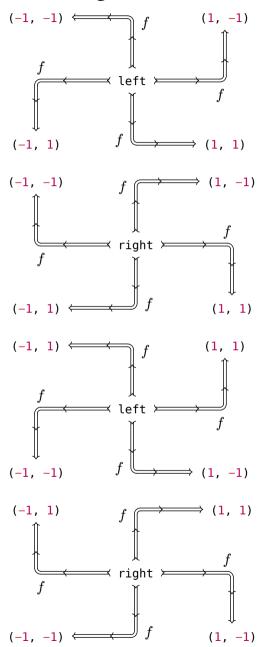
CeTZ integration

TODO!

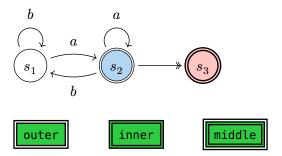
Bézier



Corner edges



Double node strokes

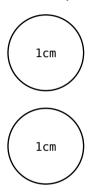


Relative and absolute extrusion lengths



Custom node sizes

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



width

height

b<mark>ot</mark>h

Node inset and outset

What 5mm inset should look like:



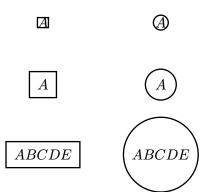
A diagram node with 5mm inset:



A diagram node with 5mm outset:

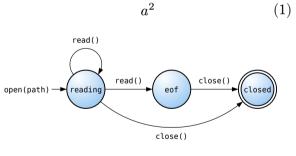


Circular insets:



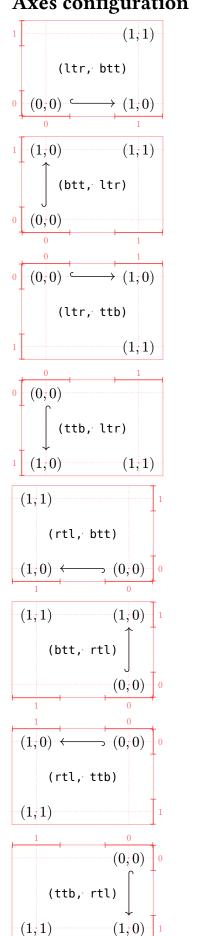
Example

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

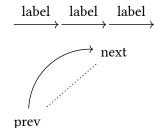


$$b^2 (2)$$

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.

$$A \longrightarrow B \quad A \longrightarrow B \quad A \longrightarrow B$$

$$A \stackrel{\pi}{\longrightarrow} B \quad A \stackrel{\pi}{\longrightarrow} B \quad A \stackrel{\pi}{\longrightarrow} B$$

$$A \stackrel{\tau}{\longmapsto} B \quad A \stackrel{\tau}{\longmapsto} B \quad A \stackrel{\tau}{\longmapsto} B$$

$$A \stackrel{+}{\longrightarrow} B \quad A \stackrel{+}{\longrightarrow} B \quad A \stackrel{+}{\longrightarrow} B$$

Math-mode diagrams

The following diagrams should be identical:

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

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

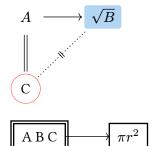
$$G/\ker(f)$$

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

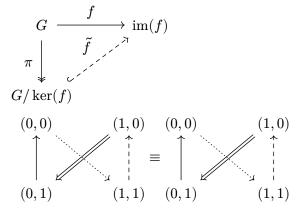
$$\pi \downarrow \qquad \tilde{f} \qquad \tilde{f} \qquad \tilde{f}$$

$$G/\ker(f)$$

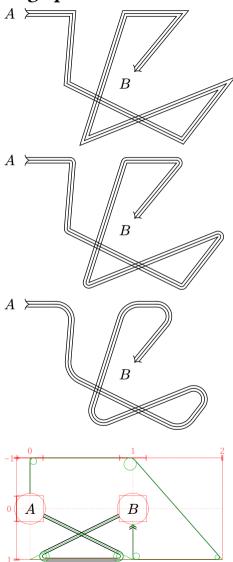
Nodes in math-mode



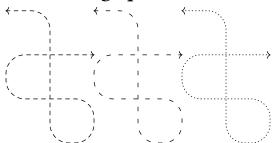
Relative node coordinates



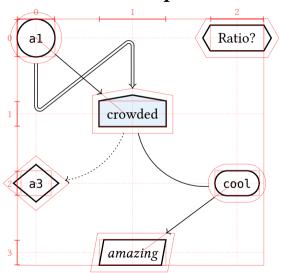
Edge paths



Dashed edge paths



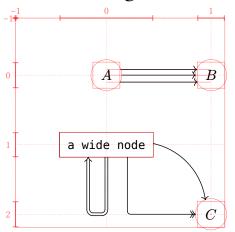
Custom node shapes



Intersection finding



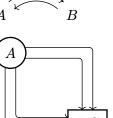
Off-center edges



Edge shift







Label fill

