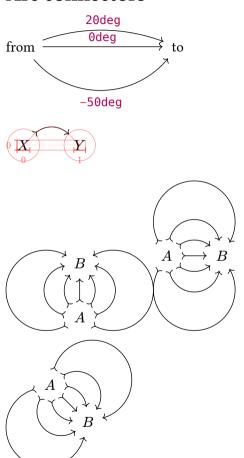
Connectors



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

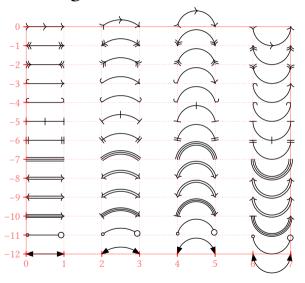
Diagram $A \xrightarrow{f} B$ and equation $A \to B$.

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

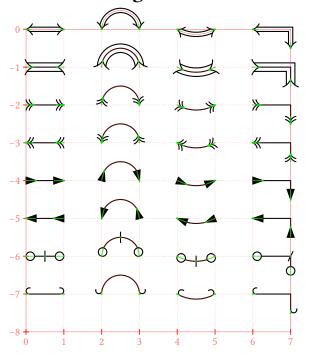
Diagram $A \stackrel{f}{\Longrightarrow} B$ and equation $A \Rightarrow B$.

Arrow head shorthands

Bending arrows



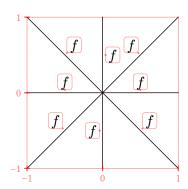
Fine mark angle corrections



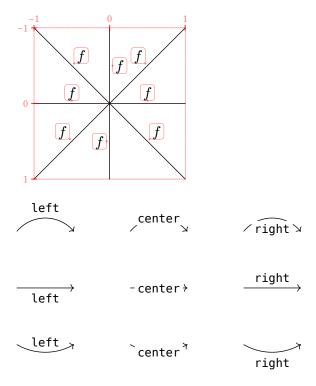


Automatic label placement

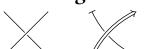
Default placement above the line.



Reversed *y*-axis:



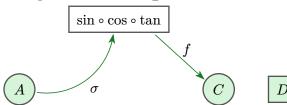
Crossing connectors



edge() argument shorthands



Diagram-level options



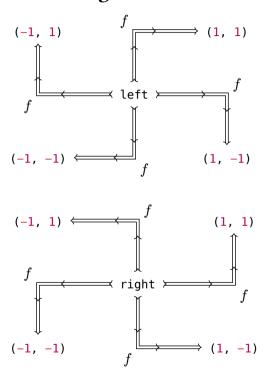
CeTZ integration



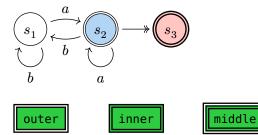
Node bounds, inset, and outset

```
o hello ← there
```

Corner edges



Double node strokes

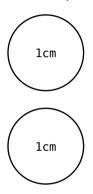


Relative and absolute extrusion lengths



Custom node sizes

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



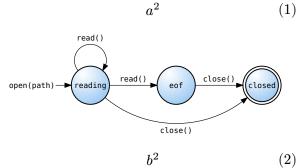
width

height

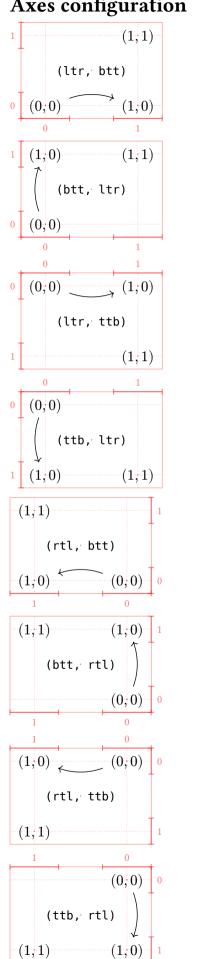
both

Example

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



Axes configuration



Implicit from and to points

$$\xrightarrow{label} \xrightarrow{label} \xrightarrow{label}$$
prev

next

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:

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

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

$$G/\ker(f)$$

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

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

$$G/\ker(f)$$

```
?
  nodes: (
    (
      class: "node",
      pos: (0, 0),
      label: equation(body: [([A], [ ],
[ ])], block: false),
      inset: auto,
      outset: auto,
      size: (auto, auto),
      radius: auto,
      shape: auto,
      stroke: auto,
      fill: auto,
      corner-radius: auto,
      defocus: auto,
      extrude: (0,),
    ),
    (
      class: "node",
      pos: (1, 0),
      label: equation(body: [([ ],
[B])], block: false),
      inset: auto,
      outset: auto,
      size: (auto, auto),
      radius: auto,
      shape: auto,
      stroke: auto,
      fill: auto,
      corner-radius: auto,
      defocus: auto,
      extrude: (0,),
    ),
  ),
  edges: (
    (
      class: "edge",
      points: ((0, 0), (1, 0)),
      label: none,
      label-pos: 0.5,
      label-sep: auto,
      label-anchor: auto,
      label-side: auto,
      kind: auto,
bend: 0deg,
      corner: none,
      stroke: (cap: "round", cap: none),
      marks: (
        (
          size: 7,
          sharpness: 24deg,
          delta: 54deg,
          outer-len: 4,
          pos: 1,
          rev: false,
          kind: "head",
        ),
      mark-scale: 100%,
      extrude: (0,),
      is-crossing-background: false,
      crossing-thickness: auto,
      crossing-fill: auto,
    ),
  ),
)
```