

Two-point paths

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Positioned spring nodes

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Same coil settings and decoration in both forms.

Dots mark exact node attachments.

spring (node and path)

Keys: defaults

minimum width 3cm (node)

minimum height 0pt (node)

pre length 5pt

post length 5pt

amplitude 4.5pt

segment length 4.5pt

aspect 0.5

Size aliases: spring length = minimum width.

Anchors: center, start, end, coil-start, coil-end, north, south, east, west, north east, south west, north west, south east, text

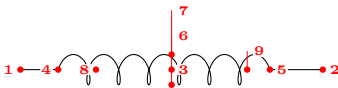
Families: axis-0..100

Also: draw, fill, line width, color, opacity, rotate, scale, anchor, minimum width, minimum height, inner sep, outer sep.

Defaults hook: every spring.

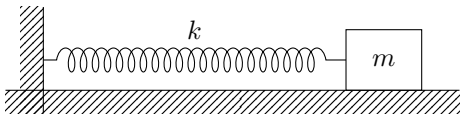
Use draw[spring] (A)--(B) for a two-point connection, or node[spring] (S) for a positioned coil. Node length defaults to 3cm; spring length and minimum width set its length. start/end are exact axis attachments, coil-start/coil-end delimit the leads, and axis-0..100 samples the straight axis, not the coil wire. show anchors/show keys apply to nodes; physicshelpspring describes both forms. Lead lengths may be zero; their sum must be smaller than the node length. amplitude and segment length must be positive.

Use the manual for geometry rules and collision-safe aliases.



Anchors

#	Name	#	Name
1	start	2	end
3	center	4	coil-start
5	coil-end	6	north
7	south	1	axis-0
8	axis-25	3	axis-50
9	axis-75	2	axis-100



Named spring attached to the wall and block.
The block is placed directly at the spring's end.

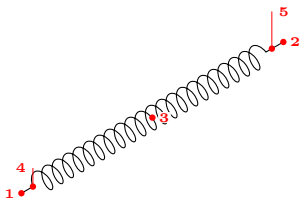
Shorter node



Longer node



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spring (node and path)
Keys: defaults
minimum width      3cm (node)
minimum height     0pt (node)
pre length         5pt
post length        5pt
amplitude          4.5pt
segment length     4.5pt
aspect             0.5
Size aliases: spring length = minimum width.
Anchors: center, start, end, coil-start, coil-end, north, south, east, west, north east,
south west, north west, south east, text
Families: axis-0..100
Also: draw, fill, line width, color, opacity, rotate, scale, anchor, minimum width,
minimum height, inner sep, outer sep.
Defaults hook: every spring.
Use draw[spring] (A)--(B) for a two-point connection, or node[spring] (S) for a
positioned coil. Node length defaults to 3cm; spring length and minimum width set its
length. start/end are exact axis attachments, coil-start/coil-end delimit the leads, and
axis-0..100 samples the straight axis, not the coil wire. show anchors/show keys apply to
nodes; physicshelpspring describes both forms. Lead lengths may be zero; their sum must
be smaller than the node length. amplitude and segment length must be positive.
Use the manual for geometry rules and collision-safe aliases.
```



Anchors

#	Name	#	Name
1	start	2	end
3	center	4	coil-start
5	coil-end	1	axis-0
3	axis-50	2	axis-100