ScrollingLabel

Table of Contents

Extends: Group

Description

The **ScrollingLabel** node class provides an automatic way to make a string scroll horizontally if it does not fit within the specified width. If the string can be drawn within the specified maximum width it is just drawn. If it does not fit within the specified maximum width, it is drawn with an ellipsis (...) at the end, then it transitions to the full string, clipped to the maximum width that scrolls left to right until the end of the string is visible, then transition back to the partial string with the ellipsis at the end. By default, this repeats continuously unless the `repeatCount` field is set to limit the number of times the scrolling occurs.

Alignment

The **ScrollingLabel** node class uses the `horizAlign` and `vertAlign` fields to allow you to position the rendered text relative to a specified bounding rectangle.

Horizontal Alignment

The `horizAlign` field allows you to position text horizontally relative to the maximum width of the label as specified by the `maxWidth` field.

There are three possible values for the `horizAlign` field:

- `left`
  The left edge of the text is drawn at the 0 x-coordinate position of the **ScrollingLabel** node's local coordinate system.

- `center`
  The horizontal center of each line of text is positioned at the x-coordinate corresponding to half the computed width of the **ScrollingLabel** node's local coordinate system.

- `right`
  The right edge of each line of text is positioned at x-coordinate position corresponding to the computed width of the **ScrollingLabel** node's local coordinate system.

Vertical Alignment

The `vertAlign` field allows you to position text vertically relative to the computed height of the label. The computed height is determined in one of two ways:

- If the `height` field is greater than zero, the computed height is the value of the `height` field.

- If the `height` field is zero, the computed height is the height of the line of rendered text, in which case the `vertAlign` field is ignored.

There are three possible values for the `vertAlign` field:

- `top`
  The top edge of the text is drawn at 0 y-coordinate position of the **ScrollingLabel** node's local coordinate system.

- `center`
  The vertical center of the rendered text is positioned at y-coordinate position corresponding to half the computed height of the **ScrollingLabel** node's local coordinate system.

- `bottom`
  The text is drawn so that bottom edge of the rendered text is positioned at the y-coordinate position corresponding to the computed height of the **ScrollingLabel** node's local coordinate system.

Fields

Field	Type	Default	Use
text	string	""	Specifies the text to be displayed.
color	color	0xdddddddff	Specifies the text color.
font	**Font**	system default	Specifies the **Font** node to be used.
maxWidth	float	500	Specifies the maximum width of the rendered text. If the rendered text exceeds the maximum width, the scrolling behavior is automatically triggered.
height	float	0	Specifies the height of the label. If set to zero, the actual height is determined by the value of the `numLines` field if it is greater than zero. See **Vertical Alignment**.
scrollSpeed	float	100	Specifies the horizontal scrolling speed in pixels per second
repeatCount	float	-1	If set to the default value of -1, the text scrolling behavior repeats continuously. If set to zero, the text will remain ellipsized and never scroll. If set to a value greater than zero, the text will scroll the specified number of times, at the end of which the text is rendered with an ellipsis at the end.
horizAlign	option string	left	See **Horizontal Alignment**.
vertAlign	option string	top	See **Vertical Alignment**.