MiscRubberband

Inherits From: NSObject
Declared In: MiscRubberband.h

Class Description

An instance of this class provides the functionality of stretching a selection rectangle for an associated view. When a mouseDown event occurred in the view, the view can pass the event with **doStretch:** to a rubberband, which further processes mouseDragged events and draws a corresponding rectangle until a mouseUp event occurs.   The view can then query the rubberband for the selection rectangle with **currentRect**.

All the coordinates queried or set in the rubberband are in the coordinate system of the associated view.   The rectangle returned by **currentRect** can be inclusive or exclusive the rubberband width.   This is set with the method **setInclusive:** and queried with **inclusive**.

The rubberband stretches the rectangle in two ways: with the mouseDown location (the pivot) at the corner or at the center of the rectangle.   You can query the pivot type with **pivot** and set it with **setPivot:**.

The stretching area can be bound to an rectangle with **setBounds:**.

Defined Types

SYNOPSIS

MiscPivotType   typedef enum {

<div align="center">

MiscCornerPivot,
MiscCenterPivot
} **MiscPivotType**;

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This types constants define the pivot position when stretching the rubberband.

Instance Variables

No public or protected instance variables defined in this class.

Method Types

Allocating and initializing an MiscRubberband instance
+ rubberbandWithView:
- initWithView:

Stretching   - doStretch:

Accessing and setting associated view
- setView:
- view

Accessing and setting pivot type
- setPivot:
- pivot

Accessing and setting geometric structure
- bounds
- currentRect
- inclusive

- setInclusive:
- usesBounds
- setUsesBounds:
- setBounds:
- setCurrentRectToBounds

Class Methods

rubberbandWithView:

+ **rubberbandWithView:**(NSView *)*aView*

Creates, initializes and returns a MiscRubberband instance associated with *aView*.

Instance Methods

bounds

- (NSRect)**bounds**

Returns the stretching bounds rectangle of the receiver.

currentRect

- (NSRect)**currentRect**

Returns the rectangle resulted from a stretching.

doStretch:

- (void)**doStretch:**(NSEvent *)*event*

Performs the stretching beginning with *event* and ending when the first mouseUp *event* occurs.

inclusive

   - (BOOL)**inclusive**

Returns whether the rectangle returned by **currentRect** is inclusive the rubberband width.

initWithView:

   - **initWithView:**(NSView *)*aView*

Initializes a newly created instance of MiscRubberband with *aView*.   This is the designated initializer of this class.

pivot

   - (MiscPivotType)**pivot**

Returns the pivot type of the receiver.

setBounds:

   - (void)**setBounds:**(NSRect)*bounds*

Sets the bounding rectangle of the receiver to *bounds*.

setCurrentRectToBounds

   - (void)**setCurrentRectToBounds**

Sets the current selection rectangle to be the bounding rectangle of the receiver.

setInclusive:

    - (void)**setInclusive:**(BOOL)*aBool*

Sets the inclusive flag of the receiver to *aBool*.　This flag indicates whether the rectangle returned by **currentRect** is inclusive the rubberband width.

setPivot:

    - (void)**setPivot:**(MiscPivotType)*aPivot*

Sets the pivot type of the receiver to *aPivot*.

setUsesBounds:

    - (void)**setUsesBounds:**(BOOL)*aBool*

Sets the inclusive flag of the receiver to *aBool*.　This flag indicates whether the stretching is bound.

setView:

    - (void)**setView:**(NSView *)*aView*

Sets the associated view of the receiver to *aView*.

usesBounds

    - (BOOL)**usesBounds**

Returns YES if the stretching is bound.

view

- (NSView *)**view**

Returns the associated view of the receiver.