

[Package](#) [Class](#) [Tree](#) [Index](#) [Help](#)

[PREV CLASS](#) [NEXT CLASS](#)

SUMMARY: [NESTED](#) | [FIELD](#) | [CONSTR](#) | [METHOD](#)

[FRAMES](#) [NO FRAMES](#) [All Classes](#)

DETAIL: [FIELD](#) | [CONSTR](#) | [METHOD](#)

graphIIP

Class Graph2D

[java.lang.Object](#)

└ [java.awt.event.WindowAdapter](#)

└ graphIIP.Graph2D

All Implemented Interfaces:

[WindowFocusListener](#), [WindowListener](#), [WindowStateListener](#), [EventListener](#)

```
public class Graph2D
extends WindowAdapter
```

Graph2D lets users work with a graphic space for drawing 2D points and lines.

Version:

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Author:

(CC - BY - NC - SA. From, IIP - PRG - ETSINF - UPV. pmarques)

Field Summary

static Color	BCK C Background Color (WHITE).
static int	DEF THICKNESS The, by default, thickness of lines & points.
static Color	FOR 1 Foreground Color 1 (BLACK).
static Color	FOR 2 Foreground Color 2 (BLUE).
static int	INI HEIGHT Initial graph height in pixels.
static int	INI WIDTH Initial graph width in pixels.

Constructor Summary

[Graph2D](#)(double mX, double xX, double mY, double xY)
Creates a **Graph2D** with real dimensions and default background color and title.

[Graph2D](#)(double mX, double xX, double mY, double xY, [Color](#) bckCol, [String](#) t)
Creates a **Graph2D** with real dimensions, **bckCol** color and **t** title.

Method Summary

void	drawLine (double x1, double y1, double x2, double y2) Draws a line between (x1,y1) and (x2,y2).
void	drawLine (double x1, double y1, double x2, double y2, Color c, int th) Draws a line between (x1,y1) and (x2,y2) with Color c and th thickness.
void	drawPoint (double x, double y) Draws a point given its real (x,y) coordinates.
void	drawPoint (double x, double y, Color c, int th) Draws a point with Color c and th thickness, given its real (x,y) coordinates.
Color	getForgrColor (Color c) Returns the current setting for the foreground color.
double	getMaxX () Returns the maximum x coordinate.
double	getMaxY () Returns the maximum y coordinate.
double	getMinX () Returns the minimum x coordinate.
double	getMinY () Returns the minimum y coordinate.
int	getThickness () Returns the current setting for the thickness of lines & points.
void	setForgrColor (Color c) Set foreground Color c , for drawing from now on.
void	setThickness (int th) Set lines & points thickness th for drawing from now on.
void	showAxes (boolean opt) Set drawing axes on (true by default) or off (false).
void	showMousePosition (boolean opt) Set showing mouse position on (true by default) or off (false).
void	windowClosing (WindowEvent e) Closing sequence whenever this graph window is closed.

Methods inherited from class java.awt.event.[WindowAdapter](#)

[windowActivated](#), [windowClosed](#), [windowDeactivated](#), [windowDeiconified](#), [windowGainedFocus](#), [windowIconified](#), [windowLostFocus](#), [windowOpened](#), [windowStateChanged](#)

Methods inherited from class java.lang.[Object](#)

[clone](#), [equals](#), [finalize](#), [getClass](#), [hashCode](#), [notify](#), [notifyAll](#), [toString](#), [wait](#), [wait](#), [wait](#)