

# Package ‘digitize’

February 14, 2012

**Version** 0.0.1-07

**Date** 2010-06-03

**Title** digitize : a plot digitizer in R

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**Depends** R (>= 2.2.0), ReadImages

**Description** Allows to get the data from a graph by providing calibration points

**License** GPL (>= 2)

**URL** <http://www.timotheepoisot.fr/r>

**Repository** CRAN

**Repository/R-Forge/Project** scian

**Repository/R-Forge/Revision** 47

**Date/Publication** 2010-03-08 19:01:05

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Calibrate	<i>Calibrate the data acquired from an image</i>
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**Description**

This function corrects the data according to the calibration information.

**Usage**

```
Calibrate(data, calpoints, x1, x2, y1, y2)
```

**Arguments**

data	A list of digitized values
calpoints	A list of coordinates of the calibration points
x1	X-coordinate of the leftmost x point (corrected)
x2	X-coordinate of the rightmost x point (corrected)
y1	Y-coordinate of the lower y point (corrected)
y2	Y-coordinate of the upper y point (corrected)

**Value**

data	A data frame with the corrected coordinates of the points
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DigitData	<i>Point data on an image</i>
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**Description**

This function waits for the user to click the points of which he wants the coordinates

**Usage**

```
DigitData(col='red', type='p', ...)
```

**Arguments**

col	Color of the points
type	Type of the points
...	Other arguments for locator

**Value**

data	A list with the coordinates of the points
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ReadAndCal	<i>Read and calibrate a JPG graphic</i>
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**Description**

This function loads the graphical file passed in argument, and allows the user to calibrate it using four points (x1,x2,y1,y2) by clicking the graph.

**Usage**

```
ReadAndCal(fname)
```

**Arguments**

fname	Filename of the graphic to read
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**Value**

calpoints	List of the x and y coordinates of the calibration points
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ReadImg	<i>Read a JPG graphic</i>
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**Description**

This function loads the graphical file passed in argument to allow further point designation, but without calibration

**Usage**

```
ReadImg(fname)
```

**Arguments**

fname	Filename of the graphic to read
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