Class java.awt.image.CropImageFilter

```
java.lang.Object
   |
   +----java.awt.image.ImageFilter
            |
            +----java.awt.image.CropImageFilter
```

---

public class **CropImageFilter**
extends ImageFilter

An ImageFilter class for cropping images. This class extends the basic ImageFilter Class to extract a given rectangular region of an existing Image and provide a source for a new image containing just the extracted region. It is meant to be used in conjunction with a FilteredImageSource object to produce cropped versions of existing images.

See Also:
FilteredImageSource, ImageFilter
Version:
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Author:
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Construct a CropImageFilter that extracts the absolute rectangular region of pixels from its source Image as specified by the x, y, w, and h parameters.

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Determine if the delivered byte pixels intersect the region to be extracted and pass through only that subset of pixels that appear in the output region.
o **setPixels**(int, int, int, int, ColorModel, int[], int, int)

Determine if the delivered int pixels intersect the region to be extracted and pass through only that subset of pixels that appear in the output region.

o **setProperties**(Hashtable)

Pass the properties from the source object along after adding a property indicating the cropped region.

Constructors

o **CropImageFilter**

```
public CropImageFilter(int x,
                       int y,
                       int w,
                       int h)
```

Construct a CropImageFilter that extracts the absolute rectangular region of pixels from its source Image as specified by the x, y, w, and h parameters.

Parameters:

x – the x location of the top of the rectangle to be extracted
y – the y location of the top of the rectangle to be extracted
w – the width of the rectangle to be extracted
h – the height of the rectangle to be extracted

Methods

o **setProperties**

```
public void setProperties(Hashtable props)
```

Pass the properties from the source object along after adding a property indicating the cropped region.

Overrides:

setProperties in class ImageFilter

o **setDimensions**

```
public void setDimensions(int w,
                          int h)
```

Override the source image's dimensions and pass the dimensions of the rectangular cropped region to the ImageConsumer.

Overrides:

setDimensions in class ImageFilter

See Also:

ImageConsumer

o **setPixels**

```
public void setPixels(int x,
                      int y,
                      int w,
                      int h,
                      ColorModel model,
                      byte pixels[],
                      int off,
                      int scansize)
```

Determine if the delivered byte pixels intersect the region to be extracted and pass through only that subset of pixels that appear in the output region.

Overrides:

setPixels in class ImageFilter

o **setPixels**

```
public void setPixels(int x,
                      int y,
                      int w,
                      int h,
                      ColorModel model,
                      int pixels[],
                      int off,
                      int scansize)
```

Determine if the delivered int pixels intersect the region to be extracted and pass through only that subset of pixels that appear in the output region.

Overrides:

setPixels in class ImageFilter