Tools supported by the im4java-Library

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1. ImageMagick

The commandline-tools of [ImageMagick](#) were the first tools supported by im4java. Available classes:

`org.im4java.core.IMOps`
automatically generated, do not use directly
`org.im4java.core.IMOperation`
Wrapper to commandline-options
`org.im4java.core.CompareCmd`
Wraps *compare*
`org.im4java.core.CompositeCmd`
Wraps *composite*
`org.im4java.core.ConvertCmd`
Wraps *convert*
`org.im4java.core.DisplayCmd`
Wraps *display*
`org.im4java.core.IdentifyCmd`
Wraps *identify*
`org.im4java.core.ImageMagickCmd`
This class lets you pass the command to the constructor
`org.im4java.core.MogrifyCmd`
Wraps *mogrify*
`org.im4java.core.MontageCmd`
Wraps *montage*

2. GraphicsMagick

[GraphicsMagick](#) is a fast alternative to [ImageMagick](#). It has only a subset of ImageMagick features, but for most of the daily work it the tool of choice. Available classes:

`org.im4java.core.GMOps`
automatically generated, do not use directly
`org.im4java.core.GMOperation`
Wrapper to commandline-options
`org.im4java.core.GraphicsMagickCmd`
This class lets you pass the (sub)-command to the constructor

Note that you can also use the specific command-classes of ImageMagick, you just have to configure im4java to use GraphicsMagick.

3. dcraw

The tool dcraw converts all kinds of RAW image-formats to standard formats like tiff.

Available classes:

org.im4java.core.DCRAWOps
automatically generated, do not use directly
org.im4java.core.DCRAWOperation
Wrapper to commandline-options
org.im4java.core.DcrawCmd
Wraps *dcraw*

4. ufraw

UFRaw, and it's batch-sibling ufraw-batch also convert RAW image-formats. Available classes:

org.im4java.core.UFRawOps
automatically generated, do not use directly
org.im4java.core.UFRawOperation
Wrapper to commandline-options
org.im4java.core.UFRawCmd
Wraps *ufraw* and *ufraw-batch*. The constructor has a boolean argument *batchMode*, if true, the wrapper runs *ufraw-batch*.

5. exiftool

With exiftool you can read and write image-metadata. Available classes:

org.im4java.core.ETOps
automatically generated, do not use directly
org.im4java.core.ETOperation
Wrapper to commandline-options. Exiftool differs from other tools: it supports hundreds of exif-tags as commandline-switches. To prevent bloat, im4java supports the tags differently (see the methods `getTags`, `setTags` etc.)
org.im4java.core.ExiftoolCmd
Wraps *exiftool*

6. jpegtran

The tool jpegtran supports various lossless jpeg-transformations (e.g. rotation or cropping). Available classes:

org.im4java.core.JPTOps
automatically generated, do not use directly
org.im4java.core.JPTOperation
Wrapper to commandline-options
org.im4java.core.JpegtranCmd
Wraps *jpegtran*