NAME

　　pagelayoutapi − API for the pagelayout LaTeX class

SYNOPSIS

　　pagelayoutapi getwidth % FILE

　　pagelayoutapi getheight % FILE

　　pagelayoutapi optimize % FILE % FILENAME % EXTENSION % ORIGINALWIDTH % ORIGINALHEIGHT % CROPLEFT % CROPRIGHT % CROPTOP % CROPBOTTOM % DENSITY % WIDTH % HEIGHT % DOWNSAMPLETHRESHOLD % UNSHARP % QUALITY

　　pagelayoutapi makeshadow % FILENAME % STANDARDDEVIATION % OPACITY % COLOR % WIDTH % HEIGHT % FRAMEWIDTH % FRAMEHEIGHT % MARGIN % BORDERRADIUS

　　pagelayoutapi start [% import % [GRAPHICSPATH]] [% turbo % JOBNAME]

　　pagelayoutapi batchoptimize % BATCHLIST

DESCRIPTION

　　This script provides an API for the pagelayout LaTeX class.

　　pagelayoutapi getwidth

　　　　Returns the width in pixels for the given image file.

　　pagelayoutapi getheight

　　　　Returns the height in pixels for the given image file.

　　pagelayoutapi optimize

　　　　Creates a cropped, rezised, sharpend and compressed image and stores it in the cache directory.

　　pagelayoutapi makeshadow

　　　　Creates a shadow image and stores it in the cache directory.

　　pagelayoutapi start

　　　　The import parameter triggers the image import (see pagelayout−manual.pdf chapter "Image Optimization"). Running the command with the parameter turbo, where the jobname is the filename of the document, processes the document in a special batch mode, that creates a batch list and calls the command **pagelayoutapi batchoptimize**.

　　pagelayoutapi batchoptimize

　　　　Optimizes multiple images in parallel.

OPTIONS

　　−−help　Prints a help message.

　　−−version

　　　　Prints version information.

PARAMETERS

　　FILE　　filename with extension (eg. IMG1234.JPEG)

　　FILENAME

　　　　filename without extension (eg. IMG1234)

EXTENSION
> optimized file extension (.jpg|.png)

DENSITY
> density in ppi (eg. 72)

DOWNSAMPLETHRESHOLD
> downsample threshold (integer >= 100)

UNSHARP
> unsharp filter (eg. 2x1)

QUALITY
> quality (integer > 0, <= 100)

STANDARDDEVIATION
> standard deviation (decimal > 0.0)

OPACITY
> opacity (decimal >= 0.0, <= 1.0)

COLOR
> color string (eg. pink)

GRAPHICSPATH
> list of directories (eg. {images/}{tmp/})

JOBNAME
> LaTeX filename without extension (eg. my−document)

BATCHLIST
> a flat list of batch items where each batch item is a flat list of the 15 parameters required by the command 'pagelayoutapi optimize'

All other parameters are length dimensions. The command **pagelayoutapi optimize** expects integer values in the LaTeX unit sp (eg. 65536). The command **pagelayoutapi makeshadow** expects decimal values in a SVG compatible unit (eg. 420.0pt).

ENVIRONMENT
pagelayoutapi requires ImageMagick 7.0 or later and Inkscape 1.0 or later.

PAGELAYOUT_IMPORT_DIRECTORY
> Defines a system wide import directory.

AUTHOR
pagelayoutapi was written by Friedemann Bartels. *https://github.com/friedemannbartels*

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