

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, resized, 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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