

NAME

mtf_generate_test_chart – generate test charts for evaluating lens sharpness

SYNOPSIS

mtf_generate_test_chart [-o <filename>] [-s <a4/A4/a3/A3/a2/A2>] [-t <perspective/grid>] [-d <distance>]

DESCRIPTION

mtf_generate_test_chart generates scalable vector graphics (SVG) files containing test charts for evaluating digital camera lens performance (sharpness) as well as autofocus accuracy / fine-tuning. **mtf_generate_test_chart** should be used to generate suitable test charts of use with the **mtf_mapper(1)** tool.

OPTIONS

- o <filename>
Specify output file name
- s <a4/A4/a3/A3/a2/A2>
Specify page size of the chart
- c <perspective/grid>
Specify chart type. The "perspective" chart is for evaluating autofocus behaviour, and is intended to be photographed at an angle, typically 45 degrees. The "grid" chart is intended to evaluate lens sharpness across the focal plane, and should be photographed perpendicular.
- d <distance>
Specify the desired viewing distance from the chart for perspective mode. Distance is in mm, measured from the reference edge on the chart, to the camera focal plane.
- h
Displays usage information

BUGS

In theory, the perspective chart can be corrected so that the perspective distortion is cancelled perfectly when the chart is photographed from the correct distance. This ensures that all the rectangles appear as squares in the photograph; however, this is not required for **mtf_mapper(1)** to work correctly. Currently, the perspective distortion and optimal distance is fixed in the source code.

AUTHOR

Frans van den Bergh <fvdbergh at gmail dot com>

SEE ALSO

mtf_generate_rectangle(1), **mtf_mapper(1)**,