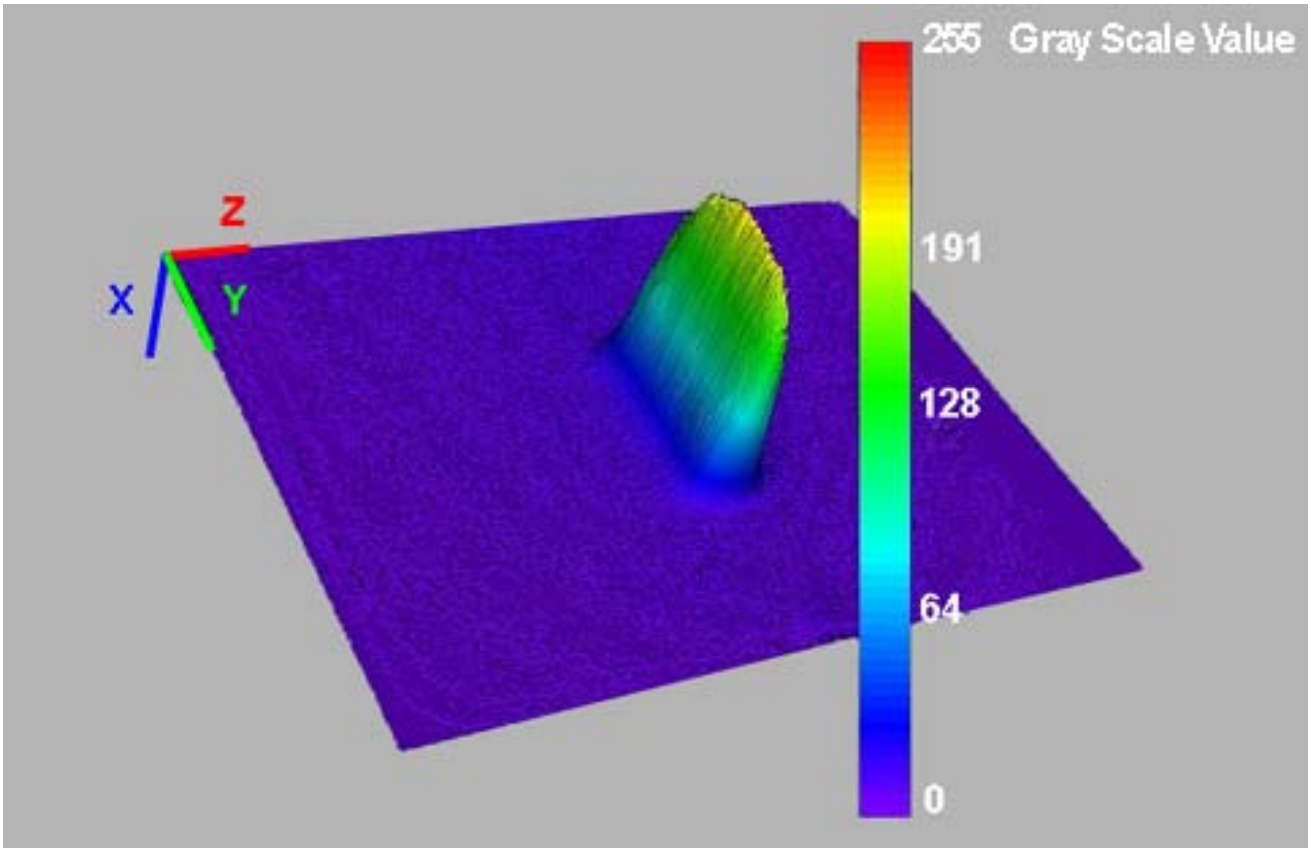
Fraunhofer IWS

ALOtec Dresden

Laser Beam Analysis using LasMon

Analysis of large Laser Beam Cross Sections with arbitrary Geometry



Analysis of Beam Quality of Laser Sources and Laser Optics

- wave length range 800 to 1.070 nm and maximum of 6 kW laser power
- arbitrary laser beam geometry range 5 x 5 mm² to 45 x 45 mm² respectively 50 x 10 mm² cross sections
- larger cross sections up to 100 mm width as scan optics tracks are offered as special solution

Visualization

- view as 3D-solid with intersections in 3 planes
- 640 x 480 pixel spatial resolution
- 8 bit grayscale value resolution

Analysis

- measurement of the beam focus dimensions and the beam location
- determination of the beam geometry and center of gravity of the beam distribution
- determination of the intensity distribution (FWHM, 86,5% respectively arbitrary %-value)
- logging in XML file format

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