

Measurement of Particles in flows

Multimedia Particle Positioning and Tracking

Start Pretracking 3D-Coordinates Sequence Tracking Calibration Demos Change Parameters Options Quit

Mouse Buttons: left > measure, middle > zoom
Orientation and self calibration
 1: 11.84 micron, 2: 12.99 micron, 3: 15.76 micron, 4: 13.16 micron,

Changing Parameters

Calibration Parameters

Camera 1, Calibration image: Orientation data:

Camera 2, Calibration image: Orientation data:

Camera 3, Calibration image: Orientation data:

Camera 4, Calibration image: Orientation data:

File of Coordinates on Plate:

☒ TIFF-Header ☒ Frame ☐ Field odd ☐ Field even

Imagesize, horizontal: vertical:

Pixelsize, horizontal: vertical:

Target recognition on plate

Greyvalue threshold, 1.: 2.: 3.: 4.:

min npix: min npix in x: min npix in y:

max npix: max npix in x: max npix in y:

Sum of greyvalue: Tolerable discontinuity: Size of crosses:

Point number for manual pre-orientation

Image 1: P1: P2: P3: P4:

Image 2: P1: P2: P3: P4:

Image 3: P1: P2: P3: P4:

Image 4: P1: P2: P3: P4:

Orientation parameters

Calibrate with different z-positions?

Combine preprocessed planes?

Point number for orientation

☒ Principle distance ☒ xp ☒ yp

Lens distortion (Brown): ☐ k1 ☐ k2 ☐ k3 ☐ p1 ☐ p2

Affin transformation: ☐ scx ☐ she

multi_planes.par - Word...

File Edit View Insert Format Help

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β
img/calib_a_cam
img/calib_b_cam
img/calib_c_cam
  
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For Help, press F1