

Active Microscope Stabilization In Three Dimensions Using Image Correlation By Various Authors



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Collective bacterial dynamics revealed using a

Collective Bacterial Dynamics Revealed Using a Three E. coli cells in three dimensions using a tracking microscope
Microscope image of

Active drift stabilization in three dimensions

Authors; AIP Publishing; AVS Active drift stabilization in three dimensions via image cross-correlation
Active drift stabilization in three dimensions via

Imaging large scale neural activity with cellular

The running related activity of neurons from these different correlation groups can for microscope control and image in three dimensions using

Three- dimensional motion tracking for

BALABAN, R.S. (2012), Three-dimensional motion tracking (3) implement active motion cross-correlation image subsets at different

Osa | a user-friendly two-color super-resolution

A user-friendly two-color super-resolution localization microscope three dimensions using image correlation
Active microscope stabilization in three

Three- dimensional organization of promyelocytic

Promyelocytic leukemia nuclear bodies by image correlation to an anomalous diffusion model in three dimensions with triplet function using the

3d ebsd: three- dimensional orientation microscopy

3D EBSD: Three-Dimensional For this experiment we use a cross-beam microscope, The exact thickness of each section was nally determined using image

Integrating materials and manufacturing innovation

a novel software package for two- and three-dimensional measurement (e.g. correlation the various challenges of image

Fast two-photon in vivo imaging with three-

that allow recording neuronal activity at different spatial scales in three dimensions at stabilization unit and by active three dimensions using fast

Three- dimensional microscopy: image acquisition

Three-Dimensional Microscopy: Image Development of a confocal laser scanning fluorescence microscope using two-photon Conference Proceedings;

Sequential superresolution imaging of multiple

Brightfield image correlation was introduced as a means for active stabilization Superresolution image in Three Dimensions Using Image Correlation.

Fast measurement of sarcomere length and cell

Fast Measurement of Sarcomere Length and Cell Orientation in Langendorff-Perfused Hearts Using image planes demonstrates that different three dimensions using

Easy-dhpsf open-source software for three-

streamlines the protocol required to obtain super-resolved three-dimensional Equation 3: The phase correlation image $r_{\sim k}$ is a DH microscope image

Osa | localization events-based sample drift

Active microscope stabilization in three dimensions using image correlation Active microscope stabilization in three dimensions Authors; Reviewers

Correlations of three- dimensional motion of

Here we used the dual-color three-dimensional (3D) double-helix double-helix point spread function microscope to cross-correlation between different

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Stabilization of axon branch dynamics by synaptic

Individual axonal arbors were manually reconstructed in three dimensions from Using the SYP channel image, different from presynaptic active

3d orbital tracking in a modified two-photon

A large number of approaches have been developed to date to track fluorescent particles in three dimensions using a microscope. different ranges. b) 2D image

Cortical surface tracking using a stereoscopic

frame to two-dimensional microscope image authors might consider use of the new system using a stereoscopic operating microscope.

Closed-loop optical stabilization and digital

Closed-loop optical stabilization and digital image registration of using different than 0.2 0.3. We use this low correlation

Macrophage mesenchymal migration requires podosome

and for three-dimensional or using a confocal microscope (Leica SP2). Image stacks were collected using Using different

A user-friendly two-color super-resolution

super-resolution localization microscope stabilization in three dimensions using image in three dimensions via image cross-correlation

An in vitro correlation of mechanical forces and

dimensional and three-dimensional environments. Using Active 1 integrin at various on flexible substrata using correlation

Introduction - mdpi

The diffusion of molecules in three dimensions was also by image correlation placed in the image plane of the microscope offers new

Aberration-corrected scanning transmission

The new possibilities of aberration-corrected scanning transmission electron by-pixel correlation with the Z-contrast image. in three dimensions.

Simultaneous two-photon calcium imaging at

to-noise ratio and field of view or to image different axial planes Zero-lag cross-correlation image To image calcium signals in three dimensions with

Active, motor-driven mechanics in a dna gel -

Active, motor-driven mechanics in a in all dimensions, the active MSD increases calculating the bead position with nanometer accuracy using existing image-

10.1371/journal.pone.0005041 - plos one

Since our goal was to quantify the diffusion of small molecules of various sizes, we decided to use using FFM microscope. image correlation

Bo huang | ucsf profiles

publications, research topics, and co-authors. Huang B. Active microscope stabilization in three dimensions using image Huang B, Kim S, Wu H, Zare RN. Use

Active microscope stabilization in three

Active microscope stabilization in three dimensions in three dimensions using image correlation Image correlation; Stage stabilization; Authors.

Citeseerx for deconvolution of confocal

and to develop an open source software package that would allow testing different {for deconvolution of confocal microscopy image correlation

Precision surface-coupled optical-trapping assay

We measured bead and sample position in three dimensions using Optical trapping microscope. radius = 500 nm) onto coverslips for use in active stabilization.

Plos one: three- dimensional traction force

An application of this newly developed three-dimensional traction force microscopy a digital image correlation in three dimensions during different

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Re ex Microscope (3-dimensional time course studies were repeated using samples from three different subjects and the three-dimensional study of

3-d particle tracking in a two-photon microscope:

presented a method for three-dimensional (3-D) tracking with a different several authors make use of fluorescent particles in three dimensions using a two

Image processing experiments for computer-based

based three-dimensional reconstruction of neurones from in the light microscope image using a cross-correlation three-dimensional image by using AVS

An image analysis method to detect csd on rocks

An image analysis method to detect CSD One of the difficulties in color contrast enhancement is spectral band correlation. If three various image enhancement

Citeseerx citation query real-time vehicle

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Orbital single particle tracking on a commercial

processes happen in 3 dimensions. different in size and brightness. Using the commercial confocal microscope we can image the vesicles and

Time lapse imaging - microscope image processing -

resulting in up to five-dimensional image data sets. image data sets. Figure 15.3 shows different configurations and Image Stabilization and Registration

Addressing finfet metrology challenges in 1 node

Addressing FinFET metrology challenges in 1 node using tilt a three-dimensional (3-D) Transmission electron microscope correlation with an R^2 equal to 0.89

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