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The non-local means algorithm is well suited for denoising images with specific textures. ... “Fast two-dimensional phase-unwrapping algorithm based on sorting by reliability following a noncontinuous path”, Journal Applied Optics, Vol. 41, No. 35 (2002) 7437, 2.

Module: restoration — skimage v0.19.0 docs - scikit-image

(2021) An algorithm combining coordinate descent and split Bregman iterative for fractional image denoising model. Journal of Algorithms & Computational Technology 15 , 174830262110311. (2021) Image Denoising Based on Fractional Gradient Vector Flow and Overlapping Group Sparsity as Priors.

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Phase Unwrapping ¶ Non-local means denoising for preserving textures ¶ Attribute operators ¶ Wavelet denoising ... Use rolling-ball algorithm for estimating background intensity ...

General examples — skimage v0.19.0 docs - scikit-image

The 12-step phase-shifting algorithm was used to obtain the wrapped phase maps, and the multi-frequency temporal unwrapping method was applied for absolute phase unwrapping . In the 3D reconstructions, the unwrapped phase extracted from the fringe images with the highest frequency (i.e., 64) was converted into height maps and 3D coordinates.

Calibration of fringe projection ... - ScienceDirect

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The neural network was implemented based on the TensorFlow version 1.9.0 platform using Python 3.6.5. We adopted the Adam optimizer 31 with a learning rate of 0.01 to optimize the weights and ...

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Jianwei Ma (Senior Member, IEEE) received the Ph.D. degree in solid mechanics from Tsinghua University, Beijing, China, in 2002. From 2006 to 2010, he was an Assistant Professor and an Associate Professor with the School of Aerospace, Tsinghua University.

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A multi-resolution single-beam multiple-intensity reconstruction (MR-SBMIR) phase retrieval algorithm is then used to reconstruct a model of the defect, both in amplitude and phase, from a set of

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intensification measurements. Finally, the impact of the modeled defect on downstream optics is evaluated with a simulation of the high-power laser system.

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Concept, implementations and applications of Fourier ...

76 Interferometric phase denoising by pyramid non-local mean filter, IEEE Geosci. Remote Sens. Letters , 2012, 3
77 Signal Model and Imaging Algorithm for Spaceborne Interrupted Continuous-Wave SAR, IET Radar Sonar and Navig., 2012, 6

GNSS-RTK-UCAS

A combined algorithm for denoising GNSS-RTK positioning solutions with application to displacement monitoring of a super-high-rise building. Lina Yu, Chunbao Xiong, Wen Chen, Yang Gao and Zuoan Ye et al. ... Improved uniform phase empirical mode decomposition and its application in machinery fault diagnosis. Jinde Zheng, Miaoxian Su, Wanming ...

ENSEMBLE EMPIRICAL MODE DECOMPOSITION ... - World Scientific

The feasibility and advantages of GMTRJ algorithm is demonstrated on simulating from the regional SAR dark spot detection model. ... A novel low pass denoising method is proposed. ... Two-dimensional phase unwrapping. Richard M. Goldstein, Howard A. Zebker, Charles L. Werner,

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measurement with temporal phase unwrapping and 1-D

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(arXiv 2021.12) Hformer: Hybrid CNN-Transformer for Fringe Order Prediction in Phase Unwrapping of Fringe Projection, (arXiv 2021.12) 3D Question Answering, (arXiv 2021.12) Light Field Neural Rendering,, (arXiv 2021.12) Neuromorphic Camera Denoising using Graph Neural Network-driven Transformers,

GitHub - Yangzhangcst/Transformer-in-Computer-Vision: A ...

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Kinect v2 Dataset - Efficient Multi-Frequency Phase Unwrapping using Kernel Density Estimation (Felix etc.) [Before 28/12/19] [Before 28/12/19] KOMATSUNA dataset - The datasets is designed for instance segmentation, tracking and reconstruction for leaves using both sequential multi-view RGB images and depth images.

CVonline: Image Databases - homepages.inf.ed.ac.uk

HDRP: Improved to the RTGI denoising. HDRP: Improved volumetric clouds (added new noise for erosion, reduced ghosting while flying through, altitude distortion, ghosting when changing from local to distant clouds, fix issue in wind distortion along the Z axis). HDRP: In path tracing, camera ray misses now return a null value with Minimum Depth > 1.

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