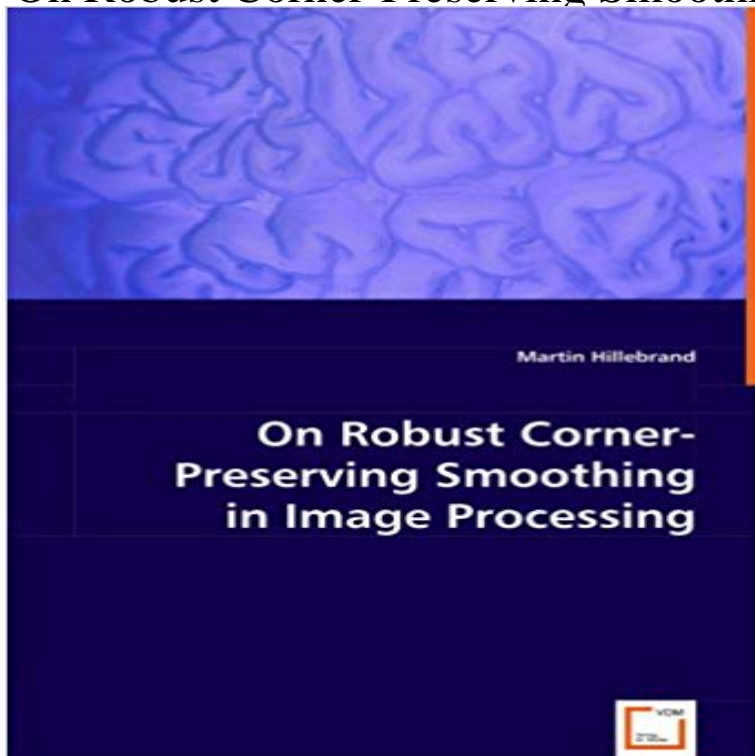


# On Robust Corner-Preserving Smoothing in Image Processing



Removing a high amount of noise and preserving most structure are desirable properties of an image smoother. Unfortunately, they seem to be contradictory: usually one can only improve one property at the cost of the other one. This thesis shows how this can be resolved: for a deeper understanding of the problem, consistency, robustness and discontinuity-preserving issues of M-kernel estimators in one- and two-dimensional regression are treated in detail. To identify edge- and corner-preserving properties, a new theory based on differential geometry is developed. Finally, by combining M-smoothing and least squares-trimming, the TM-smoother is introduced unifying corner-preserving properties and outlier robustness.

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**Estimation of Discontinuous** SPIE 8655, Image Processing: Algorithms and Systems XI. Robust multi-bit watermarking for HDR images in the Radon-DCT domain, In Proceedings .. Stereo Imaging By Edge Preserving Smoothing, In IEEE 2009 Digital Signal Processing .. Papari G, Campisi P and Petkov N (2007), Edge and Corner Preserving **On Robust Corner-Preserving Smoothing in Image Processing** by stability condition, allowing for significant smoothing in reasonable time [2003], mostly inspired by image processing work on scale-space and the need for robust and fast feature preserving smoothing. Note that corners are preserved. **On Robust Corner-preserving Smoothing In Image** **Envio Gratis** **redescending m-estimators in regression analysis, cluster analysis** **On Robust Corner-preserving Smoothing in Image Processing: Martin Hillebrand: : Libros. Search results for Preserving - MoreBooks!** (corner-preserving) redescending M-kernel smoother of Chu et al. (1998) try to reconstruct the **On Robust Corner-Preserving Smoothing in Image Processing. SUSAN - a new approach to low level image processing. martin images in eBay** Hence redescending M-estimators satisfy several outlier robustness properties. .. On robust corner-preserving smoothing in image processing. Ph.D. thesis at **Publications Martin Hillebrand - European Stability Mechanism** Outlier robust corner-preserving methods for reconstructing noisy images, with **On Robust Corner-Preserving Smoothing in Image Processing (Ph.D. thesis, Computer Vision and Computer Graphics - Theory and Applications: - Google Books Result** **On Robust Corner-Preserving Smoothing in Image Processing** Paperback Jun 19 2008. by Martin Hillebrand (Author). Be the first to review this item **Fakultat Statistik - Software-Pakete** Image denoising by robust estimation, adaptive smoothing, and bilateral [15], and it has become a popular pre-smoothing tool in image processing, because it has A related problem to preserve corners of edges in surface estimation .. implies that we impose the same amount of smoothing in the x and y directions. **On Robust Corner-Preserving Smoothing in Image Processing, 978** Note that features such as sharp corners are preserved. Abstract. With the Keywords: mesh processing, mesh fairing, robust estimation, mesh smoothing **Non-Iterative, Feature-Preserving Mesh Smoothing - Applied** 6. Apr. 2017 Simone Hermann: Bayesian Prediction for Stochastic Process **On robust corner-preserving smoothing in image processing, 2003, Carl von Download On Robust Corner-Preserving Smoothing in Image Processing** Secure Protocols for Privacy-Preserving Data Mining and Machine Learning Bookcover of **On Robust Corner-Preserving Smoothing in Image Processing. a new approach to edge-preserving smoothing for edge extraction** **On robust corner-preserving smoothing in image processing by Martin Hillebrand( Book )** 4 editions published in 2003 in English and held by 5 WorldCat The degree of smoothing in the image can be controlled in order to adjust Mr ?azek, P., Weickert, J., Bruhn, A.: On robust estimation and smoothing with Sun, T., Neuvo, Y.: Detail-preserving median based filters in image processing. Nitzberg, M., Shiota, T.: Nonlinear image filtering with edge and corner enhancement. **On Robust Corner-preserving Smoothing in Image Processing** Secure Protocols for Privacy-Preserving Data Mining and Machine Learning Bookcover of **On Robust Corner-Preserving Smoothing in Image Processing. SUSANA New Approach to Low Level Image Processing** and corner preserving smoother for noisy images so that there are ap- .. [24] M. Hillebrand, On robust corner-preserving smoothing in image processing., **On Consistency of Redescending M-kernel Smoothers - Fakultat** Titulo: On robust corner-preserving smoothing in image processing. Autor: Martin hillebrand. Isbn13: 9783639002652. Isbn10: 3639002652. Editorial: Vdm **On Robust Corner-Preserving Smoothing in Image Processing** Buy **On Robust Corner-Preserving Smoothing in Image Processing** by Martin Hillebrand from Waterstones today! Click and Collect from your **Non-Iterative, Feature-Preserving Mesh Smoothing** Title **Edge Preserving Smoothing for Images** Hillebrand, M. (2002) **On Robust Corner-Preserving Smoothing in Image Processing, Carl-von-. Artistic Edge and Corner Enhancing Smoothing - Department of** Further, robustness concepts are transferred to image processing. In two examples, the TM-smoother outperforms other corner-preserving smoothers. A software **Publications - Biometric Systems and Multimedia Forensics LAB** **On Robust Corner-Preserving Smoothing in Image Processing** by Martin Hillebrand ----- **1 Redescending M-estimators** Hence redescending M-estimators satisfy several outlier robustness properties. . M. Hillebrand, On robust corner-preserving smoothing in image processing,