Image Engineering – Zhang, Yujin

VOLUME 1
IMAGE PROCESSING

This graduate textbook explains image geometry, and elaborates on image enhancement in spatial and frequency domain, unconstrained and constrained restoration and restoration from projection, and discusses various coding technologies such as predictive coding and transform coding. Rich in examples and exercises, it prepares electrical engineering and computer science students for further studies on image analysis and understanding.

▸ Presents theories, methods and techniques on image processing, acquisition and enhancement.
▸ Addresses difficulties of interdisciplinary learning via pragmatic approach.
▸ Accompanied by subsequent volumes on image analysis and understanding.

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