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Image Processing Analysis And Machine

His research interests include medical image analysis, computer-aided diagnosis, and machine vision. Vaclav Hlavac is Professor of Cybernetics at the Czech Technical University, Prague. his research interests are knowledge based image analysis, 3D model-based vision and relations between statistical and structural pattern recognition.

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Chapter 2: The image, its representations and properties 3 • Svoboda T., Kybic J., and Hlavac V. Image Processing, Analysis, and Machine Vision: A MATLAB Companion.

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The image, its representations and properties --The image, its mathematical and physical background --Data structures for image analysis --Image pre-processing --Segmentation I --Segmentation II --Shape representation and description --Object recognition --Image understanding --3D vision, geometry --Use of 3D vision --Mathematical morphology ...

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