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These advances have brought more and more attentions to this topic. In this paper, we review the recent advance of low-rank modeling, the state-of-the-art algorithms, and related applications in image analysis. We first give an overview to the concept of low-rank modeling and challenging problems in this area.

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Most algorithms in computer vision and image analysis can be understood in terms of two important components: a representation and a modeling/estimation algorithm. The representation defines what information

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algorithm uses techniques based on mathematical morphology and segmentation by clustering-based image thresholding.

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out research in image analysis and modeling. The emphasis of our research in the past two years has been on the development of suitable mathematical models for images which are useful for image processing tasks such as efficient



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coding, enhancement, recognition, and information extraction. Our accomplish-

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