

## Mathematical methods for signal and image analysis and representation

Deskripsi Lengkap: <https://lib.ui.ac.id/detail?id=20419412&lokasi=lokal>

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### Abstrak

This book presents the mathematical methodology for generic image analysis tasks. In the context of this book an image may be any  $m$ -dimensional empirical signal living on an  $n$ -dimensional smooth manifold. The existing literature on image methodology is rather scattered and often limited to either a deterministic or a statistical point of view. In contrast, this book brings together these seemingly different points of view in order to stress their conceptual relations and formal analogies. Furthermore, it does not focus on specific applications, although some are detailed for the sake of illustration, but on the methodological frameworks on which such applications are built. Covering many topics at the forefront of current research, including anisotropic diffusion filtering of tensor fields, this book will be of particular interest to graduate and postgraduate students and researchers in the fields of computer vision, medical imaging and visual perception.