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   Autore   Sparavigna Amelia Carolina

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   Sommario/riassunto Image analysis is a fundamental task for extracting information from
                       images acquired across a range of different devices. Since reliable
                       quantitative results are requested, image analysis requires highly
                       sophisticated numerical and analytical methods-particularly for
                       applications in medicine, security, and remote sensing, where the
                       results of the processing may consist of vitally important data. The
                       contributions to this book provide a good overview of the most
                       important demands and solutions concerning this research area. In
                       particular, the reader will find image analysis applied for feature
                       extraction, encryption and decryption of data, color segmentation, and
                       in the support new technologies. In all the contributions, entropy plays
                       a pivotal role.