1. Record Nr. UNINA9910811712103321 Autore Rajinikanth Venkatesan Titolo A beginner's guide to multilevel image thresholding / / Venkatesan Rajinikanth, Nadaradjane Sri Madhava Raja, Nilanjan Dey Pubbl/distr/stampa Boca Raton, FL:,: CRC Press,, 2021 ©2021 **ISBN** 1-00-304944-3 1-000-22833-9 1-003-04944-3 1-000-22845-2 Edizione [First edition] Descrizione fisica 1 online resource: illustrations, portraits (chiefly color) Collana CRC focus series Intelligent signal processing and data analysis Disciplina 006.6 621.367 Soggetti Image segmentation Threshold logic Imaging systems in medicine Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Includes bibliographical references and index. Nota di bibliografia Sommario/riassunto "Choosing appropriate thresholding based on the existing image (Gravscale/RGB) and the assigned task is essential to attain better result and the complexity of the image thresholding is largely reduced with the help of a chosen heuristic algorithm technique. This book emphasizes various image thresholding methods that are necessary for image pre-processing and initial level enhancement. It presents a detailed evaluation, such as choosing the threshold function, need for

the heuristic algorithm, choice of objective function, and evaluation of

the outcome along with real-time applications in detail"--