



DOWNLOAD



Object Recognition By, 3-Dimensional Curve Matching (Classic Reprint)

By C Marc Bastuscheck

Forgotten Books, United States, 2015. Paperback. Book Condition: New. 229 x 152 mm. Language: English . Brand New Book ***** Print on Demand *****.Excerpt from Object Recognition By, 3-Dimensional Curve Matching Abstract Experimental results for the recognition of general curves in three space using registered range and intensity images are presented. The matching algorithm uses fast Fourier transforms to determine the least squares difference between sequences of points sampled at equal intervals along two piecewise linear approximations of curves in three-space and returns the rotation and translation required to bring one of the curves into closest juxtaposition with the other. Performance of the algorithm is demonstrated by matching curves in three space which are the boundaries of regions of contrasting reflectivity on curved surfaces. The experiments use a recently developed range sensor which is able to generate a 512 x 460 x 12 bit range image (with registered intensity image) in 40 seconds. 1. Introduction General curves in three-space may be extremely useful as features for object recognition because curves relevant to object shape can be extracted using low level image processing techniques and can be easily stored and manipulated. Examples of curves might be the edges of a pottery...



READ ONLINE
[4.24 MB]

Reviews

This book will never be straightforward to start on reading through but quite enjoyable to learn. Better then never, though i am quite late in start reading this one. Your lifestyle span will probably be convert once you complete reading this publication.

-- **Dr. Kadin Hane DVM**

This publication may be worth purchasing. it was actually writtern quite flawlessly and valuable. I am just happy to tell you that this is actually the very best book i actually have study inside my personal life and can be he best ebook for actually.

-- **Frank Nienow**