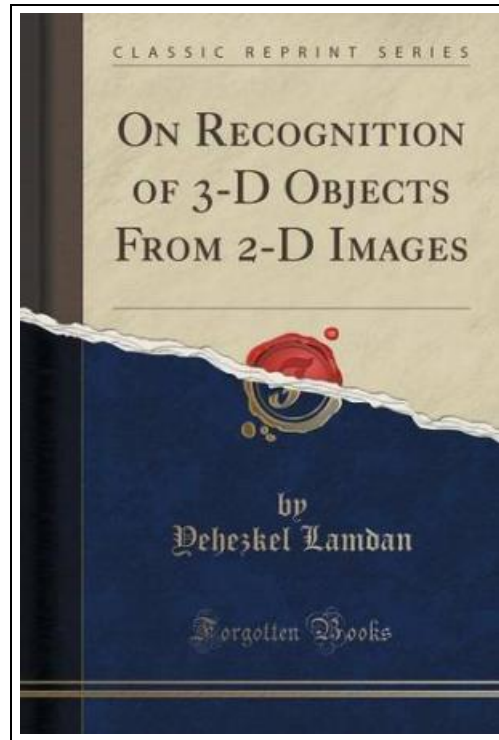# On Recognition of 3-D Objects from 2-D Images (Classic Reprint)

Filesize: 2.35 MB

Reviews

Extensive information for ebook fans. It generally is not going to expense a lot of. I discovered this publication from my dad and i suggested this ebook to discover.
(Ivah West)

ON RECOGNITION OF 3-D OBJECTS FROM 2-D IMAGES (CLASSIC REPRINT)

To download **On Recognition of 3-D Objects from 2-D Images (Classic Reprint)** PDF, make sure you click the web link below and download the document or have access to additional information which are have conjunction with ON RECOGNITION OF 3-D OBJECTS FROM 2-D IMAGES (CLASSIC REPRINT) book.

Forgotten Books, United States, 2015. Paperback. Book Condition: New. 229 x 152 mm. Language: English . Brand New Book ***** Print on Demand *****.Excerpt from On Recognition of 3-D Objects From 2-D Images Abstract We describe new techniques for model-based recognition of 3-D objects from unknown viewpoints using single gray scale images. The objects in the scene may be overlapping and partially occluded. An efficient matching algorithm, which assumes affine approximation to the perspective viewing transformation, is proposed. The algorithm has an off-line model preprocessing phase and a recognition phase to reduce matching complexity. The algorithm was successfully tested in recognition of flat industrial objects appearing in composite occluded scenes. 1. Introduction. Recognition of industrial parts and their location in a factory environment is a major task in robot vision. Most industrial part recognition systems are model-based systems (see a survey in [C-D]). The model based approach is well suited for an industrial environment, since the objects processed by the robot are usually known in advance, and belong to a certain subset of the factory s tools and products. We discuss the object recognition problem, where the robot is faced with a composite scene of overlapping parts (thus partially occluding each other), taken from a data-base of known objects (e.g. the factory s warehouse). The task is to recognize the objects in the scene and their location. No restriction on the viewing angle of the camera is assumed. In this paper we discuss the recognition of flat objects arbitrarily positioned in space. However, our method can be extended to general objects and part of our future experiments will concentrate in this direction. The recognition is done from 2-D intensity images. The algorithms which we describe were actually tested in a real life situation by recognition of objects comprising composite scenes...

Read On Recognition of 3-D Objects from 2-D Images (Classic Reprint) Online

Download PDF On Recognition of 3-D Objects from 2-D Images (Classic Reprint)

Other Kindle Books

[PDF] Talking Digital: A Parent s Guide for Teaching Kids to Share Smart and Stay Safe Online

Click the link listed below to download "Talking Digital: A Parent s Guide for Teaching Kids to Share Smart and Stay Safe Online" PDF file.

Save ePub »

[PDF] History of the Town of Sutton Massachusetts from 1704 to 1876

Click the link listed below to download "History of the Town of Sutton Massachusetts from 1704 to 1876" PDF file.

Save ePub »

[PDF] Learn em Good: Improve Your Child s Math Skills: Simple and Effective Ways to Become Your Child s Free Tutor Without Opening a Textbook

Click the link listed below to download "Learn em Good: Improve Your Child s Math Skills: Simple and Effective Ways to Become Your Child s Free Tutor Without Opening a Textbook" PDF file.

Save ePub »

[PDF] Crochet: Learn How to Make Money with Crochet and Create 10 Most Popular Crochet Patterns for Sale: (Learn to Read Crochet Patterns, Charts, and Graphs, Beginner s Crochet Guide with Pictures)

Click the link listed below to download "Crochet: Learn How to Make Money with Crochet and Create 10 Most Popular Crochet Patterns for Sale: (Learn to Read Crochet Patterns, Charts, and Graphs, Beginner s Crochet Guide with Pictures)" PDF file.

Save ePub »

[PDF] No Friends?: How to Make Friends Fast and Keep Them

Click the link listed below to download "No Friends?: How to Make Friends Fast and Keep Them" PDF file.

Save ePub »

[PDF] Never Invite an Alligator to Lunch!

Click the link listed below to download "Never Invite an Alligator to Lunch!" PDF file.

Save ePub »