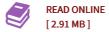


# Robotics Research Technical Report: Object Recognition by Affine Invariant Matching (Classic Reprint)

By Yehezkel Lamdan

Forgotten Books, United States, 2015. Paperback. Book Condition: New. 229 x 152 mm. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*.Excerpt from Robotics Research Technical Report: Object Recognition by Affine Invariant Matching 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. Efficient matching algorithms, which assume affine approximation to the perspective viewing transformation, are proposed. The presentation is currently restricted to flat rigid 3-D objects. Point, line and curve matching algorithms are presented. The paper especially emphasizes the curve matching problem. Experimental results are included. 1. Introduction. Object recognition is a major task in computer vision. Most practical recognition systems are model-based systems, where the task is to match known models against an image of a scene (see a survey in [1]). In this paper we address the recognition problem of overlapping and partially occluded objects in composite scenes. The 3-D positions of the objects are arbitrary and no restriction on the viewing angle of the camera is assumed. We concentrate on recognition of flat rigid objects. However, our method can be extended to general objects...



#### Reviews

This publication is definitely worth buying. It can be loaded with wisdom and knowledge I am easily could possibly get a satisfaction of looking at a composed publication.

#### -- Rhiannon Steuber

Very helpful to all type of individuals. It really is rally interesting throgh looking at time. Its been designed in an extremely basic way which is just soon after i finished reading this pdf through which basically modified me, change the way i believe. -- Tyshawn Brekke

#### See Also



1876

2

Them

**Kids** 

3

1

### History of the Town of Sutton Massachusetts from 1704 to

Createspace, United States, 2015. Paperback. Book Condition: New. annotated edition. 229 x 152 mm. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*. This version of the History of the Town of Sutton Massachusetts from 1704 to 1876 is a labor...



### The Voyagers Series - Africa: Book

Voyagers Series, Inc., United States, 2011. Paperback. Book Condition: New. 229 x 152 mm. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*.The Voyagers Series is a new multi-media, multi-disciplinary approach to teaching reading that provides students with a stimulating,...



### No Friends?: How to Make Friends Fast and Keep

Createspace, United States, 2014. Paperback. Book Condition: New. 229 x 152 mm. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*. Do You Have NO Friends ? Are you tired of not having any friend and being lonely all the time...



# How to Make a Free Website for

Createspace, United States, 2015. Paperback. Book Condition: New. 229 x 152 mm. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*. Table of Contents Preface Chapter # 1: Benefits of Having a Website Chapter # 2: Signing Up for a Website...



#### The Clever Detective Boxed Set (a Fairy Tale Romance): Stories 1, 2 and

Createspace, United States, 2012. Paperback. Book Condition: New. 229 x 152 mm. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*. After six years as a private investigator, Stacey Alexander has the strangest day of her life when she falls down...



## The Voyagers Series - Europe: A New Multi-Media Adventure Book

Strength Through Communications, United States, 2011. Paperback. Book Condition: New. 229 x 152 mm. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*. The Voyagers Series is a new multi-media, multi-disciplinary approach to teaching reading that provides students with a stimulating,...