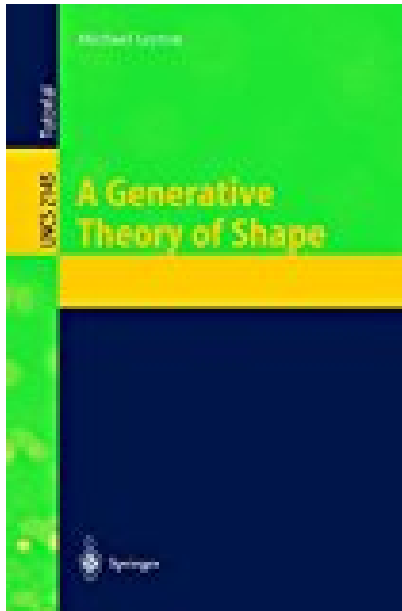


A Generative Theory of Shape Lecture Notes in Computer Science



BOOK DETAILS

- Author : Michael Leyton
- Pages : 549 Pages
- Publisher : Springer
- Language : English
- ISBN : 3540427171

 [DOWNLOAD](#)

BOOK SYNOPSIS

The purpose of this book is to develop a generative theory of shape that has two properties we regard as fundamental to intelligence - (1) maximization of transfer: whenever possible, new structure should be described as the transfer of existing structure; and (2) maximization of recoverability: the generative operations in the theory must allow maximal inferentiability from data sets. We shall show that, if generativity satisfies these two basic criteria of intelligence, then it has a powerful mathematical structure and considerable applicability to the computational disciplines. The requirement of intelligence is particularly important in the generation of complex shape. There are plenty of theories of shape that make the generation of complex shape unintelligible. However, our theory takes the opposite direction: we are concerned with the conversion of complexity into understandability. In this, we will develop a mathematical theory of understandability. The issue of understandability comes down to the two basic principles of intelligence - maximization of transfer and maximization of recoverability. We shall show how to formulate these conditions group-theoretically. (1) Maximization of transfer will be formulated in terms of wreath products. Wreath products are groups in which there is an upper subgroup (which we will call a control group) that transfers a lower subgroup (which we will call a fiber group) onto copies of itself. (2) Maximization of recoverability is insured when the control group is symmetry-breaking with respect to the fiber group.

A GENERATIVE THEORY OF SHAPE LECTURE NOTES IN COMPUTER

SCIENCE - Are you looking for Ebook A Generative Theory Of Shape Lecture Notes In Computer Science ? You will be glad to know that right now A Generative Theory Of Shape Lecture Notes In Computer Science is available on our online library. With our online resources, you can find Applied Numerical Methods With Matlab Solution Manual 3rd Edition or just about any type of ebooks, for any type of product.

Best of all, they are entirely free to find, use and download, so there is no cost or stress at all. A Generative Theory Of Shape Lecture Notes In Computer Science may not make exciting reading, but Applied Numerical Methods With Matlab Solution Manual 3rd Edition is packed with valuable instructions, information and warnings. We also have many ebooks and user guide is also related with A Generative Theory Of Shape Lecture Notes In Computer Science and many other ebooks.

We have made it easy for you to find a PDF Ebooks without any digging. And by having access to our ebooks online or by storing it on your computer, you have convenient answers with A Generative Theory Of Shape Lecture Notes In Computer Science . To get started finding A Generative Theory Of Shape Lecture Notes In Computer Science , you are right to find our website which has a comprehensive collection of manuals listed.