

200 MISCELLANEOUS NEWS

B O O K   R E V I E W S

CONTEMPORARY STEREOLOGY

Proceedings of the 3rd European Symposium for Stereology  
Stereol Jugosl 1981; 3/Suppl. 1. Edited by M. Kališnik

8 invited and 81 contributed papers have been published in the Symposium Proceedings, with the following chapters: General topics, Particles, Shape and size distributions, Image processing and transformation, Instrumentation, Quantification of nonplanar surfaces, Determination of materials properties, Methodological improvements in quantification of biological samples, Morphometry in pathology, Neurobiology, Thyroid and related glands and Various topics. In the appendix the author and subject index have been printed.

XIV + 735 pages, bound in full cloth,

price: 70 US\$; special reduced price for libraries 50 US\$.

The book may be ordered on the address of the Editorial Office of Acta Stereologica. Orders for individuals must be accompanied by a remittance (personal cheque or bank draft).

Klette, R., Mecke, J. eds. GEOBILD '82  
Proceedings of a symposium on geometrical problems in image  
processing, Georgenthal, GDR, 13-17 Dec., 1982  
Friedrich-Schiller-Universität Jena (1982) ISSN-0232-3753  
176 pages.

The book contains papers presented at a symposium on geometrical problems in image processing. The main approach to this topic is from the mathematical side; in a few cases sketches of algorithms are given.

The book is divided into three parts:

The first part, consisting of three review papers, gives a broad survey of the field of stochastic geometry and integral geometry in connection with problems of automatic image processing. The authors succeeded in using a language which can be understood also by non-mathematicians.

The second part, dealing with digital image processing, is intended mainly for those developing software. In this part some interesting problems of sets of isolated points, are discussed, such as local operators for pixel classification and the determination of the convex hull for those sets. Furthermore, problems of line segments and structural segmentation are treated. As a completion two papers on isolines and polygons are added.

The last part deals with stochastic geometry. In these papers many current problems including stereological models are discussed. Here we find some very interesting approaches leading to useful solutions.

Reading GEOBILD '82 one realizes, that the meeting in Georgenthal had been very interesting. I think we need more books of this kind to have useful information disseminated quickly.

D. Vollath