UDC 576.72:578.6.086.7(082)=20 ISSN 0351-580X

ACTA STEREOLOGICA

CONTENTS Page

QUANTITATIVE IMAGE ANALYSIS
Forword from the co-editor, *K. Nielsen* 97
Morphological image segmentation, *J. Serra* 99
Adaptative morphological segmentation: Application to histological and cytological images, *P. Belhomme, A. Elmoataz, P. Herlin, M. Revenu, D. Bloyet, A.M. Mandard* 113
Using mathematical morphology to eliminate debris and aggregates before DNA ploidy measurement of solid tumours, *C. Boundry, P. Herlin, M. Coster, J.L. Chermant, B. Sola, M. Henry-Amar* 121
On the use of complementary set fractal dimension in image analysis, *S. Brachotte, D. César, C. Roques-Carmes* 129
An efficient image coder based on the combination of visual and probabilistic models, *H. Cherifi, T. Eude* 137
Investigation of distance by automatic image analyzer, *Z. Csepeli, Z. Gácsi, P. Bárczy* 147
A tree dimensional quantitative approach for colocalization study of cyclin A and P34CDK1 by confocal microscopy, *R. Delorme, C. Souchier, P.A. Bryon* 155
Sampling operators for active vision, *E. Dinet, A. Tremeau, B. Laget* 161
An improved dilation method for the measurement of fractal dimension, *S. Eins* 169
A new multi-scale approach to the segmentation of multi-textured images, *E. Favier, B. Laget* 179
Non planar surface analysis by inundation functions, *G. Gauthier, S. Mathis, M. Coster, J.L. Chermant* 185
Multiresolution texture classification and analysis, *H. Konik, B. Laget* 191
Simple hardware for semi-automatic stereological analysis, *I. Krekule, L. Kubinova, J. Kaminskij, P. Karen* 197
Using mathematical morphology on grey level images for powder materials, *S. Mathis, M. Coster* 201
Distance mapping for image filtering, *F. Robert, G. Lefebvre* 209

Contribution of image analysis to solid state sintering of WC-CO, *S. Roure, J.M. Missiaen* 215
How to optimize the use of the L*H*C* color space in color image analysis processes, *A. Trémeau, V. Lozano, B. Laget* 223

OBITUARIES VII

FORTHCOMING MEETINGS X

AUTHOR INDEX XI

SUBJECT INDEX XII

INSTRUCTION TO AUTHORS

ACTA STEREOL	VOL 14	NO 2	PP 97-228	LJUBLJANA	NOV 1995