

Volume 30

Issue 6

November 2006

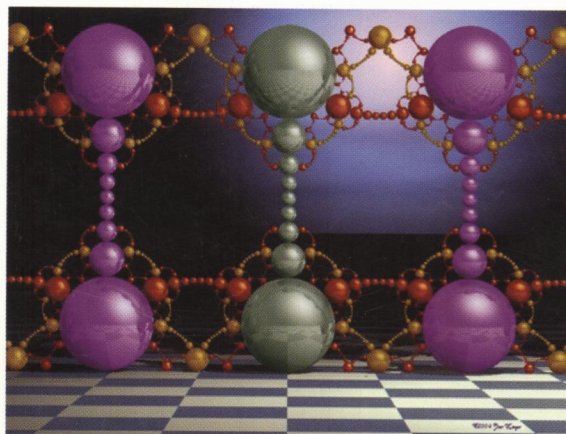
ISSN 0097-8493

COMPUTERS & GRAPHICS

An international journal of systems
& applications in computer graphics

Algorithms and techniques for interaction,
multimedia, modelling and visualization

EDITOR-IN-CHIEF: J. L. Encarnaçã



In this issue the special topic is

MESH ANALYSIS

Guest Editors: Ayellet Tal, Thomas Funkhouser, Arik Shamir

AVAILABLE AT
www.ComputerScienceWeb.com

POWERED BY SCIENCE @ DIRECT®

In this issue the special topic is

MESH ANALYSIS

Guest Editors: Ayellet Tal, Thomas Funkhouser, Arik Shamir

Special Issue: Mesh Analysis

- | | | |
|---|-----|---|
| | 885 | Computers & Graphics Best Paper Award (2005) |
| Ayellet Tal, Thomas Funkhouser and Ariel Shamir | 891 | Editorial |
| Jean-Philippe Pernot, George Moraru and Philippe Véron | 892 | Filling holes in meshes using a mechanical model to simulate the curvature variation minimization |
| Cheuk Yiu Ip and William C. Regli | 903 | A 3D object classifier for discriminating manufacturing processes |
| Geetika Tewari, Craig Gotsman and Steven J. Gortler | 917 | Meshing genus-1 point clouds using discrete one-forms |
| Jin Huang, Xinguo Liu, Hujun Bao, Baining Guo and Heung-Yeung Shum | 927 | An efficient large deformation method using domain decomposition |
| H. Masuda, Y. Yoshioka and Y. Furukawa | 936 | Interactive mesh deformation using equality-constrained least squares |
| TECHNICAL SECTION | | |
| Francisco Martínez, Antonio J. Rueda and Francisco R. Feito | 947 | The multi-L-REP decomposition and its application to a point-in-polygon inclusion test |
| N. Pla-Garcia, M. Vigo-Anglada and J. Cotrina-Navau | 959 | <i>N</i> -sided patches with B-spline boundaries |
| José Mario De Martino, Léo Pini Magalhães and Fábio Violaro | 971 | Facial animation based on context-dependent visemes |

(continued)

Indexed in GMT Abstr, Cam Sci Abstr, Comput Cont, Curr Cont,[®] Research Alert[®], Curr Cont/CompuMath, Curr Cont/Eng Tech & Applied Sci, Curr Cont SCISEARCH[®] Data, Eng Ind, Ergon Abstr, Info Sci, Abstr, INSPEC Data, PIRA, SSSA/CISA/ECA/ISMEC

ISSN 0097-8493

TYPESET BY MACMILLAN INDIA LTD., BANGALORE-25
PRINTED IN GREAT BRITAIN BY POLESTAR WHEATONS LTD, EXETER

371



ELSEVIER



0097-8493(200612)30:6;1-V