

Volume 21, Number 6, November/December 1997

ISSN 0097-8493

Volume Contents and Author Index for Volume 21 (1997) is included in this issue

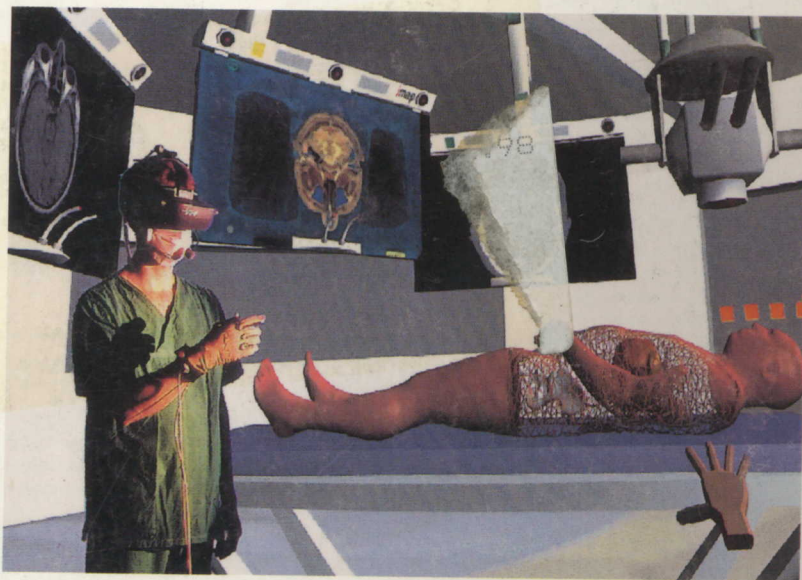


COMPUTERS & GRAPHICS

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

GRAPHICS IN ELECTRONIC PRINTING AND PUBLISHING

Guest Editors: Roger D. Hersch and Jürgen Schönhut



Computers & Graphics, Vol. 21, No. 6, 1997

Contents (Cont'd)

- Lin Feng, Seah Hock Soon**
and **Lee Yong Tsui** 777 Structure modeling and context-free grammar: exploring a new approach for surface boundary construction
- Simon S. P. Shum, W. S. Lau,**
Matthew M. F. Yuen
and **K. M. Yu** 787 Solid reconstruction from orthographic opaque views using incremental extrusion
- David Mould**
and **Yee-Hong Yang** 801 Modeling water for computer graphics
- J. Ruiz de Miras**
and **F. R. Feito** 815 Inclusion test for curved-edge polygons
- Hans Werner Kohl** 825 First-hit speed up in ray tracing surfaces of functions of two variables
- Chaos & Graphics*
- Clifford A. Reiter** 841 Chaotic attractors with the symmetry of a tetrahedron
- M. Romera, G. Pastor**
and **F. Montoya** 849 A scaling constant equal to unity in 1-D quadratic maps
- 859 Erratum
- I Past/Future Issues
- III Announcements



PERGAMON

ISSN 0097-8493
CGRADI 21(6) 689-860 (1997)

computers & graphics

An International Journal

Website: <http://www.elsevier.nl/locate/cag/>
<http://www.elsevier.com/locate/cag/>

Contents

Vol. 21, No. 6, 1997

In this issue the special topic is
GRAPHICS IN ELECTRONIC PRINTING AND PUBLISHING
Guest Editors: Roger D. Hersch and Jürgen Schönhut

- iii Computers & Graphics is planning a new section
Graphics in Electronic Printing and Publishing
- Roger D. Hersch**
and **Jürgen Schönhut** 689 Guest Editors' Introduction
- Jörg Zedler**
and **Marwan Ramadan** 693 i-Media: an integrated media server and media data-
base as a basic component of a cross media publish-
ing system
- Mary C. Dyson**
and **Gary J. Kipping** 703 The legibility of screen formats: are three columns
better than one?
- Ariel Shamir**
and **Ari Rappoport** 713 Quality enhancements of digital outline fonts
- Jacky Herz, Roger D. Hersch**
and **Jakob Gonczarowski** 727 Coherent processing of character skeletal forms
- Technical Section*
- Chung-Wen Chung,**
Jung-Hong Chuang
and **Pei-Huan Chou** 737 Efficient polygonization of CSG solids using boundary
tracking
- Dong Feng, Xiaomei Wang,**
Wenli Cai and **Jiaoying Shi** 749 A mass conservative flow field visualization method
- Wei-Yu Han** and **Ja-Chen Lin** 757 Edge detection and edge-preserved compression for
error-diffused images
- Li Ling** 769 Animation of stochastic motion of 3-D cloth objects

(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

CGRADI 21(6) 689-860 (1997)

PRINTED IN GREAT BRITAIN BY BPC WHEATONS LTD, EXETER

371



PERGAMON



cdhelp@elsevier.co.uk



0097-8493(1997)21:6;1-2