Conference Committee

Introduction

Data generation and data visualization using different platform computers in the World Wide Web environment p. 2

Utilizing visualization for shared knowledge spaces p. 14

Biomedical visualization tool kit in Java p. 23

Image sequence analysis and face feature extraction p. 36

Modeling time-varying three-dimensional strain fields in the human cerebral ventricular system using finite element methods p. 45

System for diagram editor generation and ODBMS integration based on object-oriented model information p. 58

Visualization tools for data assimilation p. 67

MUSURF: visualizing geometric uncertainty of multiple surface interpolants p. 77

Dataspace: an automated visualization system for large databases p. 89

PermWeb: remote parallel and distributed-volume visualization p. 100

New parallel volume rendering based on Shear-Wrap using a pipeline framework p. 111

Visual debugging of data and operations for concurrent programs p. 120

Distributed graphical topic-oriented document search system p. 129

Interactive visualization for resource allocation p. 138

Interactive creation of plant monitors and controls p. 146

Interaction model for visualization systems utilizing color and sound representations p. 155

Interactive interface for visualizing and analyzing multispectral solar images p. 165

Implementation of controllable avatars for virtual reality applications p. 174

Generating high-resolution data using hints p. 182

Picture resolution enhancement p. 193

Enhanced line integral convolution with flow feature detection p. 206

Efficient application-independent visualization engine for information with complex data structure p. 220

Natural scene representation for visualizing high-dimensional data in a large-scale time-critical environment p. 232

Software framework for visualizing space-variant image filters p. 245

Flexible dynamic models for user interfaces p. 258

Graphical user interfaces for symbol-oriented database visualization and interaction p. 266

Collaboration and visual steering of simulations p. 274

Real-time visualization of interactive parameter changes in image processing systems p. 286

Multiresolutional visualization of evolving distributed simulations using wavelets and MPI p. 298

Concurrent object-oriented programming: a visualization challenge p. 310

Approach to clustering large visual databases using wavelet transform p. 322

Addendum p. 335

Author Index p. 336