Ingrid Hotz – Publications

Peer-Reviewed


- Jankowai, J; Englund, R; Ropinski, T; Hotz, I. Interactive 4D MRI blood flow exploration and analysis using line predicates Proceedings of the EG SIGRAD conference, 2016.

- Flatken, M; Berres, A; Merkel, J; Hotz, I; Gerndt, A; Hagen, H. Dynamic Scheduling for Progressive Large-Scale Visualization Proceedings of EG/VGTC Eurovis Short Papers, 2015.


- Hotz, I.; Peikert, Definition of a Multifield Hot Topics in Scientific Visualization, Springer, 2014.


• Kratz, A.; Kettlitz, N.; Hotz, I. Particle-Based Anisotropic Sampling for Two-Dimensional Tensor Field Visualization. Proceedings of Vision, Modeling, and Visualization (VMV’11), 2011


• Hotz, I. Isometric embedding by surface reconstruction from distances. VIS ’02: Proceedings of the conference on Visualization ’02 IEEE Computer Society, 2002, pp. 251-258

• Hotz, I.; Hagen, H. Visualizing geodesics. VIS ’00: Proceedings of the conference on Visualization ’00 IEEE Computer Society Press, 2000, pp. 311-318


Editorial activities


Tutorials

Other publications including posters and tech-reports

• Hotz, I; Özarslan, E; Schultz, T. Multidisciplinary Approaches to Multivalued Data: Modeling, Visualization, Analysis - (Dagstuhl Seminar 16142) Dagstuhl Reports, (6)4, pp 16–38 2016.


• Burgeth, B; Hotz, I; Vilanova, A; Westin, C-F. Visualization and Processing of Higher Order Descriptors for Multi-Valued Data (Dagstuhl Seminar 14082) Dagstuhl Reports, (6)4, pp 16–38 2014.

• Chen, F.; Flatken, M.; Hotz, I.; Gerndt, A. In-situ processing and interactive visualization for large-scaled CFD simulations. Poster presentation at the LDAV Symposium, 2014.


1 Ingrid Hotz – Talks


- Tensor Field Visualization in Geomechanics Applications, Ingrid Hotz, Louis Feng, Bernd Hamann, David Manaker, Louise H. Kellogg, Poster Presentation at the American Geophysical Union (AGU) fall meeting, December 2004


- Geometrische Algorithmen zur Visualisierung diskreter und kontinuierlicher Tensorfelder, Colloquium talk, Best-Dissertation’03-Award-Colloquium, German Society of Computer Science (GI), Academy Mainz, Germany, June 3-4, 2004.


- Tensor Field Visualization Using a Metric Interpretation, Invited conference talk, Perspectives Workshop: Visualization and Image Processing of Tensor Fields, Schloss Dagstuhl, International Conference and Research Center for Computer Science, Germany, April 18-23, 2004

