

## References

- [And06] ANDREWS B.: Introduction to Perceptual Principles in Medical Illustrations. In *Illustrative Visualization for Medicine and Science* (2006), ACM Press, pp. 8–30.
- [BG07] BRUCKNER S., GRÖLLER M. E.: Style Transfer Functions for Illustrative Volume Rendering. *Computer Graphics Forum* 26, 3 (2007), 715–724.
- [BGKG05] BRUCKNER S., GRIMM S., KANITSAR A., GRÖLLER M. E.: Illustrative Context-Preserving Volume Rendering. In *IEEE/Eurographics Symposium on Visualization (EuroVis)* (Leeds, UK, June 2005), Brodlie K. W., Duke D. J., Joy K. I., (Eds.), Eurographics Association, pp. 69–76.
- [BH07] BAIR A., HOUSE D. H.: Grid With a View: Optimal Texturing for Perception of Layered Surface Shape. *IEEE Transactions on Visualization and Computer Graphics* 13 (2007), 1656–1663.
- [BHWB07] BEYER J., HADWIGER M., WOLFSBERGER S., BÜHLER K.: High-Quality Multimodal Volume Rendering for Preoperative Planning of Neurosurgical Interventions. *IEEE Transactions on Visualization and Computer Graphics* 13, 6 (2007), 1696–1703.
- [BR03] BAUDISCH P., ROSENHOLTZ R.: Halo: a Technique for Visualizing Off-Screen Locations. In *CHI '03: Proceedings of the SIGCHI conference on Human factors in computing systems* (Fort Lauderdale, FL, USA, 2003), vol. 5, ACM Press, pp. 481–488.
- [BrV\*07] BURGERT O., ÖRN V., VELICHKOVSKY B. M., GESSAT M., JOOS M., STRAUSS G., TIETJEN C., PREIM B., HERTEL I.: Evaluation of Perception Performance in Neck Dissection Planning using Eye Tracking and Attention Landscapes. In *SPIE Conference on Medical Image Computing* (2007), p. 65150B.
- [DC05] DONG F., CLAPWORTHY G.: Volumetric Texture Synthesis for Non-Photorealistic Volume Rendering of Medical Data. *The Visual Computer* 21, 7 (2005), 463–473.
- [FMD\*08] FISCHER M., MÜLLER S., DIETZ A., RICHTER I., TIETJEN C., DORNHEIM J., PREIM B., STRAUSS G.: Clinical Evaluation Of A Semiautomatic 3D-Visualization Software In Head And Neck Surgery. In *International Conference on Computer Aided Surgery around the Head* (2008), p. im Druck.
- [Hod89] HODGES E. R. S.: *The Guild Handbook of Scientific Illustration*. Van Nostrand Reinhold, 1989.
- [HPP\*01] HÖHNE K. H., PETERSIK A., PFLESSER B., POMMERT A., PRIESMEYER K., ET AL.: *VOXEL-MAN 3D Navigator: Brain and Skull. Regional, Functional and Radiological Anatomy*. Springer-Verlag, Heidelberg, 2001. CD-ROM.
- [IFH\*03] ISENBERG T., FREUDENBERG B., HALPER N., SCHLECHTWEIG S., STROTHOTTE T.: A Developer's Guide to Silhouette Algorithms for Polygonal Models. *IEEE Computer Graphics and Applications* 23, 4 (2003), 28–37.
- [JDA07] JUDD T., DURAND F., ADELSON E. H.: Apparent Ridges for Line Drawing. *ACM Transactions on Graphics* 26, 3 (2007), 19.
- [KHSI04] KIM S., HAGH-SHENAS H., INTERRANTE V.: Conveying Shape with Texture: Experimental Investigations of Texture's Effects on Shape Categorization Judgments. *IEEE Transactions on Visualization and Computer Graphics* 10, 4 (2004), 471–483.
- [KTH\*05] KRÜGER A., TIETJEN C., HINTZE J., PREIM B., HERTEL I., STRAUSS G.: Interactive Visualization for Neck-Dissection Planning. In *IEEE/Eurographics Symposium on Visualization (EuroVis)* (Leeds, UK, June 2005), Brodlie K. W., Duke D. J., Joy K. I., (Eds.), Eurographics Association, pp. 295–302.
- [LE05] LU A., EBERT D. S.: Example-based Volume Illustrations. In *Proc. of IEEE Visualization* (Minneapolis, MN, USA, October 2005), IEEE Computer Society, pp. 655–662.
- [MNTPO7] MÜHLER K., NEUGEBAUER M., TIETJEN C., PREIM B.: Viewpoint Selection for Intervention Planning. In *IEEE/Eurographics Symposium on Visualization (EuroVis)* (2007), Museth K., Möller T., Ynnerman A., (Eds.), pp. 267–274.
- [PB07] PREIM B., BARTZ D.: *Visualization in Medicine. Theory, Algorithms, and Applications*, 1 ed. Morgan Kaufmann, 2007.
- [PFH00] PRAUN E., FINKELSTEIN A., HOPPE H.: Lapped Textures. In *Proceedings of the 27th annual conference on Computer graphics and interactive techniques (SIGGRAPH)* (New York, NY, USA, Juni 2000), Brown J. R., Akeley K., (Eds.), ACM Press/Addison-Wesley Publishing Co., pp. 465–470.
- [PHWF01] PRAUN E., HOPPE H., WEBB M., FINKELSTEIN A.: Real-Time Hatching. In *Proceedings of the 28th annual conference on Computer graphics and interactive techniques (SIGGRAPH)* (Juni 2001), Pocock L., (Ed.), ACM Press/Addison-Wesley Publishing Co., pp. 579–584.

- [RBG08] RAUTEK P., BRUCKNER S., GRÖLLER M. E.: Interaction-Dependent Semantics for Illustrative Volume Rendering. *Computer Graphics Forum* 27, 3 (2008), 847–854.
- [RRRP08] RIEDER C., RITTER F., RASPE M., PEITGEN H.-O.: Interactive Visualization of Multimodal Volume Data for Neurosurgical Tumor Treatment. *Computer Graphics Forum* 27, 3 (2008), to appear.
- [RSK06] REZK-SALAMA C., KOLB A.: Opacity Peeling for Direct Volume Rendering. *Computer Graphics Forum* 25, 3 (2006), 597–606.
- [SES05] SVAKHINE N. A., EBERT D. S., STREDNEY D.: Illustration motifs for effective medical volume illustration. *IEEE Computer Graphics and Applications* 25, 3 (2005), 31–39.
- [TG80] TREISMAN A., GELADE G.: A Feature-Integration Theory of Attention. *Cognitive Psychology* 12, 1 (1980), 97–136.
- [TGBP08] TIETJEN C., GASTEIGER R., BAER A., PREIM B.: Curvature- and Model-Based Hatching of Patient-Specific Muscle Surfaces. In *Proc. of SmartGraphics* (2008), Springer-Verlag.
- [TIP05] TIETJEN C., ISENBERG T., PREIM B.: Combining Silhouettes, Surface, and Volume Rendering for Surgery Education and Planning. In *IEEE/Eurographics Symposium on Visualization (EuroVis)* (Leeds, UK, June 2005), Brodlie K. W., Duke D. J., Joy K. I., (Eds.), Eurographics Association, pp. 303–310.
- [TMR\*08] TIETJEN C., MÜHLER K., RITTER F., KONRAD O., HINDENNACH M., PREIM B.: METK – The Medical Exploration Toolkit. In *Bildverarbeitung für die Medizin* (2008), Springer-Verlag, p. noch nicht bekannt.
- [TMS\*06] TIETJEN C., MEYER B., SCHLECHTWEIG S., PREIM B., HERTEL I., STRAUSS G.: Enhancing Slice-based Visualizations of Medical Volume Data. In *IEEE/Eurographics Symposium on Visualization (EuroVis)* (2006), IEEE, pp. 123–130.
- [TO02] TODD J. T., OOMES A. H. J.: Generic and Non-Generic Conditions for the Perception of Surface Shape from Texture. *Vision Research* 42, 7 (2002), 837–850.
- [TPB\*08] TIETJEN C., PFISTERER R., BAER A., GASTEIGER R., PREIM B.: Hardware-Accelerated Illustrative Medical Surface Visualization with Extended Shading Maps. In *Proc. of SmartGraphics* (2008), Springer Verlag, p. to appear.
- [VG05] VIOLA I., GRÖLLER M. E.: Smart Visibility in Visualization. In *Proc. of EG Workshop on Computational Aesthetics in Graphics, Visualization and Imaging* (2005).
- [Wel91] WELZL E.: Smallest Enclosing Disks (Balls and Ellipsoids). In *New Results and New Trends in Computer Science* (1991), vol. 555 of LNCS, Springer Verlag, pp. 359–370.
- [WPFH02] WEBB M., PRAUN E., FINKELSTEIN A., HOPPE H.: Fine Tone Control in Hardware Hatching. In *NPAR: Proceedings of the 2nd International Symposium on Non-Photorealistic Animation and Rendering* (New York, NY, USA, 2002), ACM Press, pp. 53–ff.
- [YNZC05] YUAN X., NGUYEN M. X., ZHANG N., CHEN B.: Stippling and Silhouettes Rendering in Geometry-Image Space. In *Eurographics Symposium on Rendering* (2005), Eurographics Association, pp. 193–200.