

Referências Bibliográficas

- [1] ASPERT, N.; SANTA-CRUZ, D. ; EBRAHIMI, T. **Mesh: Measuring errors between surfaces using the hausdorff distance**. In: PROCEEDINGS OF THE IEEE INTERNATIONAL CONFERENCE ON MULTIMEDIA AND EXPO, volume I, p. 705 – 708, 2002. <http://mesh.epfl.ch>.
- [2] BELKIN, M.; NIYOGI, P. **Laplacian eigenmaps for dimensionality reduction and data representation**. volume 15, p. 1373–1396, Cambridge, MA, USA, June 2003. MIT Press.
- [3] BIYIKOGLU, T.; LEYDOLD, J. ; STADLER, P. F. **Laplacian Eigenvectors of Graphs**. Springer, 2006.
- [4] BURDEA, G.; COIFFET, P. **Virtual Reality Technology**. New York Wiley, 2003.
- [5] CIAMPALINI, A.; CIGNONI, P.; MONTANI, C. ; SCOPIGNO, R. **Multiresolution decimation based on global error**. volume 13, p. 228–246, 1997.
- [6] CIGNONI, P.; MONTANI, C. ; SCOPIGNO, R. **Metro: Measuring error on simplified surfaces**. In: COMPUTER GRAPHICS FORUM, volume 17(2), p. 167–174. Blackwell Publishers, 1998.
- [7] CLARENZ, U.; DIEWALD, U. ; RUMPF, M. **Anisotropic geometric diffusion in surface processing**. volume 0, p. 70, Los Alamitos, CA, USA, 2000. IEEE Computer Society.
- [8] COIFMAN, R. R.; LAFON, S. **Applied and Computational Harmonic Analysis**. Diffusion maps, journal, v.21, n.1, p. 5 – 30, 2006. Diffusion Maps and Wavelets.
- [9] COIFMAN, R. R.; LAFON, S.; LEE, A.; MAGGIONI, M.; NADLER, B.; WARNER, F. ; ZUCKER, S. **Geometric diffusions as a tool for harmonic analysis and structure definition of data. Part II: Multiscale methods**. Número 102, p. 7432–7438, 2005.

- [10] ELSNER, L. **A note on the hoffman-wielandt theorem.** volume 182, p. 235 – 237, 1993.
- [11] FOREST, J. **New methods for triangulation-based shape acquisition using laser scanners.** Tese de doutorado apresentada ao Departamento de Eletrônica, Informática e Automação da Universidade de Girona, 2004.
- [12] FRANC, M.; SKALA, V. **Parallel triangular mesh decimation without sorting.** In: PROCEEDINGS OF THE 17TH SPRING CONFERENCE ON COMPUTER GRAPHICS, p. 22–, Washington, DC, USA, 2001. IEEE Computer Society.
- [13] GARLAND, M.; HECKBERT, P. S. **Surface simplification using quadric error metrics.** In: SIGGRAPH '97: PROCEEDINGS OF THE 24TH ANNUAL CONFERENCE ON COMPUTER GRAPHICS AND INTERACTIVE TECHNIQUES, p. 209–216. ACM Press/Addison-Wesley Publishing Co., 1997.
- [14] GUÉZIEC, A. **Locally toleranced surface simplification.** volume 5, p. 168–189, Piscataway, NJ, USA, 1999. IEEE Educational Activities Department.
- [15] HOPPE, H. **Progressive Meshes.** p. 99–108. ACM Press/ACM SIGGRAPH, 1996.
- [16] HOPPE, H.; DEROSE, T.; DUCHAMP, T.; MCDONALD, J. ; STUETZLE, W. **Mesh Optimization.** volume 27, p. 19–26, 1993.
- [17] HUSSAIN, M.; OKADA, Y. ; NIIJIMA, K. **Efficient and feature-preserving triangular mesh decimation.** volume 2004, p. 167–174, 2004.
- [18] JUNGER, B.; SNOEYINK, J. **Selecting independent vertices for terrain simplification.** p. 157–164, February 1998.
- [19] KAICK, O. M. V. **Métricas para simplificação de malhas triangulares.** Dissertação de Mestrado apresentada ao Programa de Pós-Graduação em Informática da Universidade Federal do Paraná, 2005.
- [20] KANNAN, D. **An Introduction to Stochastic Processes.** Elsevier North Holland, Inc., 1979.

- [21] KLEIN, R.; LIEBICH, G. **Mesh reduction with error control**. In: VISUALIZATION 96. ACM, p. 311–318, 1996.
- [22] MENDELSON, S.; PAJOR, A. ; TOMCZAK-JAEGERMANN, N. **Reconstruction and subgaussian operators**. In: C.R. ACAD. SCI. PARIS, SER. I MATH. 340, p. 885–888, 2005.
- [23] MESHLAB. <http://meshlab.sourceforge.net/>, dez, 2010.
- [24] MEYER, C. D. **Matriz Analysis and Applied Linear Algebra**. STAM, 2001.
- [25] MOREIRA, L. **Funções de difusão e regiões de zero de campos de vetores planares: Detecção de singularidades**. Dissertação de Mestrado apresentada ao Departamento de Matemática da Pontifícia Universidade Católica do Rio de Janeiro., 2010.
- [26] NEWMAN, M. I. **The laplacian spectrum of graphs**. Dissertação de mestrado submetida ao Departamento de Matemática da Universidade de Manitob, 2000.
- [27] OKUDA, M.; CHEN, T. **Joint geometry/texture progressive coding of 3d models**. In: IEEE INTL. CONF. ON IMAGE PROCESSING, VANCOUVER - CANADA, p. 632–635, 2000.
- [28] PAPOULIS, A. **Probability, Random Variables and Stochastic Processes**. 3rd. ed., McGraw-Hill, 1979.
- [29] RONFARD, R.; ROSSIGNAC, J. **Full-range approximations of triangulated polyhedra**. volume 15, 1996.
- [30] ROSS, S. M. **Stochastic Processes**. Second. ed., John Wiley & Sons, INC, 1996.
- [31] ROSS, S. M. **Introduction to Probability Models**. Seventh. ed., Academic Press, 2000.
- [32] SCHNEIDER, P. P. J.; EBERLY, D. H. **Geometric Tools for Computer Graphics**. Morgan Kaufmann Publishers, 2003.
- [33] SCHROEDER, W. J.; ZARGE, J. A. ; LORENSSEN, W. E. **Decimation of triangle meshes**. In: SIGGRAPH '92: PROCEEDINGS OF THE 19TH ANNUAL CONFERENCE ON COMPUTER GRAPHICS AND INTERACTIVE TECHNIQUES, p. 65–70. ACM, 1992.

- [34] SHERMAN, W.; CRAIG, A. **Understanding Virtual Reality**. Morgan Kaufmann, 2003.
- [35] SORKINE, O. **Differential representations for mesh processing**. volume 25, p. 789–807. Blackwell, 2006.
- [36] STANFORD. **The stanford 3d scanning repository**, <http://graphics.stanford.edu/data/3dscanrep/>, nov, 2010.
- [37] STRANG, G. **Linear Algebra and its Applications**. Third. ed., Thomson Learning, Inc., 1988.
- [38] SUN, J.; OVSJANIKOV, M. ; GUIBAS, L. J. **A concise and provably informative multi-scale signature based on heat diffusion**. volume 28, p. 1383–1392, 2009.
- [39] SUN, X.; ROSIN, P. L.; MARTIN, R. R. ; LANGBEIN, F. C. **Random walks for mesh denoising**. In: PROC. ACM SYMP. SOLID AND PHYSICAL MODELING, p. 11–22. ACM Siggraph, 2007.
- [40] TAUBIN, G. **A signal processing approach to fair surface design**. In: SIGGRAPH '95: PROCEEDINGS OF THE 22ND ANNUAL CONFERENCE ON COMPUTER GRAPHICS AND INTERACTIVE TECHNIQUES, p. 351–358. ACM Press, 1995.
- [41] VAXMAN, A.; BEN-CHEN, M. ; GOTSMAN, C. **A multi-resolution approach to heat kernels on discrete surfaces**. volume 29, 2010.
- [42] VELHO, L. **Mesh simplification using four-face clusters**. In: SHAPE MODELING INTERNATIONAL, p. 200–208, 2001.