

Referências Bibliográficas

- [Baumgart 1975] BAUMGART, B. G.. **A Polyhedron Representation for Computer Vision.** AFIPS National Computer Conference, 44:589–596, 1975. 3.1
- [Bertrand and Dufourd 1994] BERTRAND, Y.; DUFOURD, J.-F.. **Algebraic Specification of a 3D-Modeler Based on Hypergraphs.** CVGIP Graphical Models and Image Processing, 56:29–60, 1994. 3.3
- [Braid *et al.* 1980] BRAID, I. C.; HILLYARD, R. C. ; STROUD, I. A.. **Stepwise construction of polyhedra in geometric modeling.** In: Brodlie, K. W., editor, MATHEMATICAL METHODS IN COMPUTER GRAPHICS AND DESIGN, p. 123–141. Academic Press, 1980. 3.1
- [Brisson 1993] BRISSON, E.. **Representing Geometric Structures in d Dimensions: Topology and Order.** Discrete and Computational Geometry, 9:387–426, 1993. 3.3
- [Campagna *et al.* 1998] CAMPAGNA, S.; KOBELT, L. ; SEIDEL, H.-P.. **Directed edges: A scalable representation for triangle meshes.** Journal of Graphics Tools, 3(4):1–11, 1998. 3.1
- [Castelo *et al.* 1992] CASTELO, A.; LOPES, H. ; TAVARES, G.. **Handlebody Representation for Surfaces and Morse Operators.** In: CURVES AND SURFACES IN COMPUTER VISION GRAPHICS III, p. 270–283, 1992. 3.1
- [Cavalcanti *et al.* 1997] ROMA CAVALCANTI, P.; CARVALHO, P. C. P. ; MARTHA, L. F.. **Non-Manifold modelling: an approach based on spatial subdivision.** Computer-Aided Design, 29(3):209–220, 1997. 3.4
- [Cormen *et al.* 1990] CORMEN, T. H.; LEISERSON, C. H. ; RIVEST, R. L.. **Introduction to Algorithms.** McGraw-Hill, New York, 1990. 2.8
- [Dobkin and Laszlo 1989] DOBKIN, D. P.; LASZLO, M. J.. **Primitives for the manipulation of three-dimensional subdivisions.** Algorithmica, 4:3–32, 1989. 3.2

- [Floriani and Hui 2003] DE FLORIANI, L.; HUI, A.. **A scalable data structure for three-dimensional non-manifold objects.** In: SYMPOSIUM ON GEOMETRY PROCESSING, p. 72–82. ACM, 2003. 2.7, 3.4
- [Guibas and Stolfi 1985] GUIBAS, L. J.; STOLFİ, J.. **Primitives for the manipulation of general subdivisions and the computation of Voronoi diagrams.** Transactions on Graphics, 4:74–123, 1985. 3.1, 3.2
- [Gumhold *et al.* 1999] GUMHOLD, S.; GUTHE, S. ; STRAÑER, W.. **Tetrahedral mesh compression with the cut-border machine.** In: VISUALIZATION, p. 51–58. IEEE, 1999. 6.2, 6.2
- [Gursoz *et al.* 1990] GURSOZ, E. L.; CHOI, Y. ; PRINZ, F. B.. **Vertex-Based Representation of Non-Manifold Boundaries.** In: Turner, J. U.; Wozny, M. J. ; Preiss, K., editors, GEOMETRIC MODELING FOR PRODUCT ENGINEERING, p. 107–130. Elsevier, 1990. 3.4
- [Lage *et al.* 2005] LAGE, M.; LEWINER, T.; LOPES, H. ; VELHO, L.. **CHE: A scalable topological data structure for triangular meshes.** Technical report, PUC — Rio de Janeiro, 2005. 1
- [Lee and Lee 2001] LEE, S.; LEE, K.. **Partial Entity Structure: A Compact Non-Manifold Boundary Representation Based on Partial Topological Entities.** In: SOLID MODELING AND APPLICATIONS, p. 159–170. ACM, 2001. 3.4
- [Lienhardt 1994] LIENHARDT, P.. **N-dimensional Generalized Combinatorial Maps and Cellular Quasi-Manifolds.** Journal of Computational Geometry & Applications, 4:275–324, 1994. 3.3
- [Lopes 1996] LOPES, H.. **Algorithm to build and unbuild 2 and 3 dimensional manifolds.** PhD thesis, Department of Mathematics, PUC-Rio, 1996. 3.1, 3.1, 7
- [Lopes and Tavares 1997] LOPES, H.; TAVARES, G.. **Structural operators for modeling 3-manifolds.** In: Hoffman, C.; Bronsvort, W., editors, SOLID MODELING AND APPLICATIONS, p. 10–18. ACM, 1997. 3.2, 4.4, 5.1, 5.4
- [Mäntylä 1988] MÄNTYLÄ, M.. **An Introduction to Solid Modeling.** Computer Science Press, Rockville, 1988. 3.1, 3.1, 4.1

- [Nonato *et al.* 2001] NONATO, G.; MINGHIM, R.; DE OLIVEIRA, M. C. F. ; TAVARES, G.. **A Novel Approach for Delaunay 3D Reconstruction with a comparative analysis in the Light of Applications.** Computer Graphics Forum, 20(2):161–174, 2001. 3.4
- [Paoluzzi *et al.* 1993] PAOLUZZI, A.; BERNARDINI, F.; CATTANI, C. ; FERRUCCI, V.. **Dimension-independent modeling with simplicial complexes.** Transactions on Graphics, 12(1):56–102, 1993. 3.3
- [Pesco *et al.* 2003] PESCO, S.; LOPES, H. ; TAVARES, G.. **A Stratification Approach for Modeling 2-cell complexes.** Computers & Graphics, 28(2):235–247, 2004. 3.4
- [Rossignac and O'Connor 1990] ROSSIGNAC, J.; O'CONNOR, M. A.. **SGC : A Dimension Independent Model for Pointsets with Internal Structures and Incomplete Boundaries.** In: Turner, J. U.; Wozny, M. J. ; Preiss, K., editors, GEOMETRIC MODELING FOR PRODUCT ENGINEERING, p. 145–180. Elsevier, 1990. 3.4
- [Rossignac *et al.* 2001] ROSSIGNAC, J.; SAFONOVA, A. ; SZYMCZAK, A.. **3D Compression Made Simple: Edgebreaker on a Corner–Table.** In: SHAPE MODELING INTERNATIONAL, p. 278–283. IEEE, 2001. 3.1
- [Vieira 2003] VIEIRA, A. W.. **A topologocal approach for mesh simplification.** Master's thesis, Department of Mathematics, PUC–Rio, 2003. 2, 6.1, 7
- [Weiler 1986] WEILER, K. J.. **Topological Structures for Geometric Modeling.** PhD thesis, Rensselaer Polytechnic Institute, New York, USA, 1986. 3.4, 5.1
- [Wu 1989] WU, S. T.. **A new combinatorial model for boundary representation.** Computers & Graphics, 13(4):477–486, 1989. 3.4
- [Wu 1992] WU, S. T.. **Non-manifold data models: implementation issue.** In: MICAD, Computer Graphcis and Computer Aided Technologies, p. 37–56, 1992. 3.4
- [Yamaguchi and Kimura 1995] YAMAGUCHI, Y.; KIMURA, F.. **Non-Manifold Topology Based on Coupling Entities.** Computers & Graphics, 15(1):42–50, 1995. 3.4