

Bibliografia

- [1] KNAFLA, B.. **Aufbau Interaktiver 3D Echtzeit Systeme zur Integration von Simulations-Engines**. Diplomarbeit, Technischen Fakultät der Universität Bielefeld, Germany, 2003.
- [2] **HAVOK : Dynamic Gameplay**. Disponível em: <<http://www.havok.com/>>. Acesso em: 09 ago. 2005.
- [3] WOODCOCK, S.. **Games Making Interesting use of Artificial Intelligence Techniques**. Disponível em: <<http://www.gameai.com/games.html>>. Acesso em: 03 jul. 2005.
- [4] POTTINGER, D.. **Coordinated Unit Movement**. Gamasutra. Disponível em: <http://www.gamasutra.com/features/19990122/movement_01.htm>. Acesso em: 20 abr. 2005.
- [5] **FutSim** ((. Disponível em: <<http://www.futsim.com.br/>>. Acesso em: 10 ago. 2005.
- [6] BATES, J.. **The role of emotion in believable agents**. Technical report. CMU-CS-94-136, School of Computer Science, Carnegie Mellon University, 1994.
- [7] **Direct IA**. Disponível em: <<http://www.directia.com/>>. Acesso em: 10 ago. 2005.
- [8] **AI.implant - Advanced AI for games, animation and simulation**. Disponível em: <<http://www.ai-implant.com/>>. Acesso em: 10 ago. 2005.
- [9] **Renderware AI**. Disponível em: <<http://www.renderware.com/renderwareai.htm>>. Acesso em: 10 ago. 2005.
- [10] **SimBionic**. Disponível em: <<http://www.stottlerhenke.com/products/>>. Acesso em: 10 ago. 2005.

- [11] **Soar**. Disponível em: <<http://sitemaker.umich.edu/soar/>>. Acesso em: 10 ago. 2005.
- [12] LAIRD, J. E.; CONGDON, C. B.. **The Soar User's Manual - Version 8.5**. Electrical Engineering and Computer Science Department, University of Michigan, June, 2004.
- [13] **Emotion AI**. Disponível em: <<http://www.emotion.ai/>>. Acesso em: 20 jun. 2005.
- [14] **Softimage BEHAVIOR**. Disponível em: <<http://www.softimage.com/products/behavior/>>. Acesso em: 21 jul. 2004.
- [15] **Pensor**. Disponível em: <<http://www.pensor.net/>>. Acesso em: 10 jun. 2003.
- [16] **FEAR :: Foundations for Genuine Game AI**. Disponível em: <<http://fear.sourceforge.net/>>. Acesso em: 10 ago. 2005.
- [17] KEITH, C.. **From the Ground Up: Creating a Core Technology Group**. Gamasutra, 2003. Disponível em: <http://www.gamasutra.com/features/20030801/keith_01.shtml>. Acesso em: 03 abr. 2005.
- [18] DYBSAND, E.. **AI Middleware: Getting into Character. Conclusion**. Gamasutra, 2003. Disponível em: <http://www.gamasutra.com/features/20030725/dybsand_01.shtml>. Acesso em: 20 ago. 2004.
- [19] **Torch3: The Dream Comes True**. Disponível em: <<http://www.torch.ch/>>. Acesso em: 09 ago. 2005.
- [20] MATEAS, M.. **An Oz-Centric Review of Interactive Drama and Believable Agents**. Technical report. CMU-CS-97-156, School of Computer Science, Carnegie Mellon University, 1997.
- [21] OUSTERHOUT, J.. **Why threads are a bad idea (for most purposes)**. Sun Microsystems Laboratories, September, 1995.
- [22] **OpenSteer: Steering Behaviors for Autonomous Characters**. Disponível em: <<http://opensteer.sourceforge.net/>>. Acesso em: 10 ago. 2005.
- [23] **Free Fuzzy Logic Library**. Disponível em: <<http://ffll.sourceforge.net/>>. Acesso em: 03 jul. 2005.

- [24] **luabind**. Disponível em: <<http://luabind.sourceforge.net/>>. Acesso em: 21 mai. 2005.
- [25] **Boost C++ Libraries**. Disponível em: <<http://www.boost.org/>>. Acesso em: 21 mai. 2005.
- [26] LI, S.. **Rock 'em, sock 'em Robocode!** IBM, Janeiro 2002. Disponível em: <<http://www-128.ibm.com/developerworks/java/library/j-robocode/>>. Acesso em: 24 ago. 2005.
- [27] LI, S.. **Rock 'em, sock 'em Robocode: Round 2**. IBM, Maio 2002. Disponível em: <<http://www-128.ibm.com/developerworks/java/library/j-robocode2/>>. Acesso em: 24 ago. 2005.
- [28] **Robocode Central**. Disponível em: <<http://robocode.sourceforge.net/>>. Acesso em: 24 ago. 2005.
- [29] CARLESS, S.. **Punch Kick Punch: A History of One-On-One Beat-'Em-Ups**. Gamasutra, 1998. Disponível em: <http://www.gamasutra.com/features/game_design/19980424/punchkickpunch_01.htm>. Acesso em: 23 jul. 2005.
- [30] **Lucid Platform**. Hong Kong Polytechnic University. Disponível em: <<http://www.lucidplatform.com/>>. Acesso em: 09 ago. 2005.
- [31] **Torque Game Engine SDK**. GarageGames. Disponível em: <<http://www.garagegames.com/>>. Acesso em: 09 ago. 2005.
- [32] ALLPORT, G. W.. **Concepts of trait and personality**. Psychological Bulletin, 24:284–293, 1927.
- [33] ZADEH, L.. **Fuzzy sets**. Information and Control, 8(3):338–353, 1965.
- [34] MASLOW, A.. **Personality and motivation**. Harper and Collins, 1970.
- [35] PEARL, J.. **Fusion, propagation, and structuring in belief networks**. Artificial Intelligence, 29:241–288, 1986.
- [36] LAIRD, J.; NEWELL, E. ; P., R.. **Soar: An architecture for general intelligence**. Artificial Intelligence, 33(1):1–64, 1987.
- [37] SLOMAN, A.. **Motives mechanisms emotions**. Cognition and Emotion, 1:217–234, 1987.
- [38] MINSKY, M.. **The society of Mind**. Pan Books, London, 1987.

- [39] PEARL, J.. **Probabilistic Reasoning in Intelligent Systems : Networks of Plausible Inference**. Morgan Kauffman, San Fransisco, California, 1988.
- [40] KANERVA, P.. **Sparse distributed memory**. The MIT Press, Cambridge, MA, USA, 1988.
- [41] ORTONY, A.; CLORE, G. L. ; COLLINS, A.. **The Cognitive Structure of Emotions**. Cambridge University Press, 1988.
- [42] JENSEN, F. V.; LAURITZEN, S. L. ; OLSEN, K. G.. **Bayesian updating in causal probabilistic networks by local computations**. Computational Statistics Quarterly, 4:269–282, 1990.
- [43] NEWELL, A.. **Unified Theories of Cognition**. Harvard University Press, Cambridge, MA, USA, 1990.
- [44] RAO, A. S.; GEORGEFF, M. P.. **Modeling rational agents within a bdi architecture**. In: PROCEEDINGS OF KNOWLEDGE REPRESENTATION AND REASONING, p. 473–484, 1991.
- [45] BROOKS, R.. **Intelligence without representation**. Artificial Intelligence, 47:139–160, 1991.
- [46] GEHLOT, N. S.; ALSINA, P. J.. **A comparison of control strategies of robotic manipulators using neural networks**. In: IEEE INTERNATIONAL CONFERENCE ON INDUSTRIAL ELECTRONICS, CONTROL, AND INSTRUMENTATION, IECON-92, p. 688–693, San Diego, USA, 1992.
- [47] JOHNSON, R. E.. **Documenting frameworks using patterns**. In: CONFERENCE PROCEEDINGS ON OBJECT ORIENTED PROGRAMMING SYSTEMS LANGUAGES AND APPLICATIONS (OOPSLA92), p. 63–76, Vancouver, British Columbia, Canada, 1992.
- [48] MCCRAE, R.; JOHN, O.. **An introduction to the five-factor model and its applications**. Journal of Personality, 60:175–213, 1992.
- [49] ELLIOTT, C.. **Research problems in the use of a shallow artificial intelligence model of personality and emotion**. In: Proceedings of the XII National Conference on Artificial Intelligence (AAAI'94), p. 9–15, Seattle, USA, 1994.

- [50] DAMASIO, A.. **Descartes' Error - Emotion, Reason and the Human Brain**. Avon Books, 1994.
- [51] WOOLDRIDGE, M.; JENNINGS, N.. **Intelligent agents: Theory and practice**. Knowledge Engineering Review, 10(2):115–152, 1995.
- [52] MENDEL, J. M.. **Fuzzy logic systems for engineering: a tutorial**. In: IEEE PROCEEDINGS, volumen 83, p. 345–377, March 1995.
- [53] GAMMA, E.; HELM, R.; JOHNSON, R. ; VLISSIDES, J.. **Design Patterns: Elements of Reusable Object-Oriented Software**. Addison-Wesley, 1995.
- [54] O'BRIEN, L.. **Fuzzy logic in games**. Game Developer Magazine, p. 53, April/May 1996.
- [55] MEYER, J. A.. **Artificial life and the animat approach to artificial intelligence**. In: Boden, M., editor, ARTIFICIAL INTELLIGENCE. Academic press, 1996.
- [56] BUSCHMANN, F.; MEUNIER, R.; ROHNERT, H.; SOMMERLAD, P. ; STAL, M.. **PATTERN-ORIENTED SOFTWARE ARCHITECTURE: A SYSTEM of PATTERNS**. Wiley and Sons, 1996.
- [57] ROBERTS, D.; JOHNSON, R.. **Evolving frameworks: A pattern-language for developing object-oriented frameworks**. In: Martin, R.; Riehle, D. ; Buschmann, F., editors, PATTERN LANGUAGES OF PROGRAM DESIGN 3. Addison-Wesley, 1997.
- [58] FAYAD, M.; SCHMIDT, D. ; JOHNSON, R.. **Object-Oriented Application Frameworks: Problems and Perspectives**. Wiley, New York, USA, 1997.
- [59] MITCHELL, T. M.. **Machine Learning**. McGraw-Hill, 1997.
- [60] RIZZO, P.; M., V.; MICELI, M. ; CESTA, A.. **Personality-driven social behaviors in believable agents**. In: Proceedings of the AAAI 1997 Fall Symposium on "Socially Intelligent Agents", Massachusetts, USA, 1997.
- [61] ROUSSEAU, D.; HAYES-ROTH, B.. **Improvisational synthetic actors with flexible personalities**, 1997.
- [62] PINKER, S.. **How the mind works**. Norton, 1997.

- [63] BANDURA, A.. **Social Learning Theory**. Prentice-Hall, 1997.
- [64] STROUPSTRUP, B.. **C++ Programming Language**. Addison-Wesley, 1997.
- [65] STONE, P.; VELOSO, M.. **A layered approach to learning client behaviors in the robocup soccer server**. Applied Artificial Intelligence (AAI), 12, 1998.
- [66] LUKE, S.. **Genetic programming produced competitive soccer softbot teams for robocup97**. In: et al, J. K., editor, PROCEEDINGS OF THE THIRD ANNUAL GENETIC PROGRAMMING CONFERENCE (GP98), p. 204–222, 1998.
- [67] SUTTON, R. S.; BARTO, A. G.. **Reinforcement Learning: An Introduction**. The MIT Press, 1998.
- [68] SLOMAN, A.. **Architectures and tools for human-like agents**. In: PROCEEDINGS OF THE SECOND EUROPEAN CONFERENCE ON COGNITIVE MODELLING, ECCM-98, 1998.
- [69] COMBS, W. E.. **The Combs Method for Rapid Inference**. In: Cox, E., editor, THE FUZZYSYSTEMS HANDBOOK, p. 659–680. AP Professional, New York, USA, 2nd edition, 1998.
- [70] COMBS, W. E.; ANDREWS, J. E.. **Combinatorial Rule Explosion Eliminated by a Fuzzy Rule Configuration**. IEEE Transactions on Fuzzy Systems, 6:1–11, February 1998.
- [71] VAN LENT, M.; LAIRD, J. E.; BUCKMAN, J.; HARTFORD, J.; HOUCARD, S.; STEINKRAUS, K. ; TEDRAKE, R.. **Intelligent agents in computer games**. In: PROCEEDINGS OF THE NATIONAL CONFERENCE ON ARTIFICIAL INTELLIGENCE, p. 929–930, Orlando, USA, 1999.
- [72] LAIRD, J.; VAN LENT, M.. **Developing an artificial intelligence engine**. In: PROCEEDINGS OF THE GAME DEVELOPERS CONFERENCE 1999, San Jose, USA, 1999.
- [73] AKLECHA, V.. **Object-Oriented Frameworks Using C++ and Corba**. The Corolis Group, 1999.
- [74] DONNART, J.; JAKOBI, N.; KODJABACHIAN, J.; MEYER, C.; MEYER, A. ; TRULLIER, O.. **Industrial applications of**

- biomimetic adaptative systems.** In: Proceedings of HCP'99 - Human Centered Processes, Brest, France, September 1999. ENST Bretagne Pub.
- [75] DING, Z.. **Designing ai engines with built-in machine learning capabilities.** In: PROCEEDINGS OF THE GAME DEVELOPERS CONFERENCE 1999, San Jose, USA, 1999.
- [76] FOWLER, M.; BECK, K.; BRANT, J. ; OPDYKE, W.. **Refactoring: Improving the Design of Existing Code.** Addison-Wesley, 1999.
- [77] FUNGE, J.; TU, X. ; TERZOPOULOS, D.. **Cognitive modeling: Knowledge, reasoning, and planning for intelligent characters.** In: PROCEEDINGS OF THE ACM SIGGRAPH'99, p. 29–38, 1999.
- [78] SILVA, D. R. D.; SIEBRA, C. A.; VALADARES, J. L. F.; ALMEIDA, A. L.; FRERY, A. C. ; RAMALHO, G. L.. **Personality-centered agents for virtual computer games.** In: PROC. OF THE SECOND WORKSHOP ON INTELLIGENT VIRTUAL AGENTS, p. 99–111, Salford, UK, 1999.
- [79] MENDEL, J. M.; LIANG, Q.. **Comments on 'Combinatorial Rule Explosion Eliminated by a Fuzzy Rule Configuration'.** IEEE Transactions on Fuzzy Systems, 7(3), June 1999.
- [80] DICK, S.; KANDEL, A.. **Comment on 'Combinatorial Rule Explosion Eliminated by a Fuzzy Rule Configuration'.** IEEE Transactions on Fuzzy Systems, 7(4), February 1999.
- [81] STOUT, B.. **The Basics of A* for Path Planning.** In: DeLoura, M. A., editor, GAME PROGRAMMING GEMS, p. 254–263. Charles River Media, 200.
- [82] EBERLY, D. H.. **3D Game Engine Design : A Practical Approach to Real-Time Computer Graphics.** Morgan Kaufmann, 2000.
- [83] LAIRD, J. E.; VAN LENT, M.. **Human-level AI's Killer Application: Interactive Computer Games.** In: PROCEEDINGS OF AAAI 2000, p. 1171–1178, Austin, USA, 2000.
- [84] NAREYEK, A.. **Intelligent agents for computer games.** In: PROCEEDINGS OF THE SECOND INTERNATIONAL CONFERENCE

- ON COMPUTERS AND GAMES, p. 414–422, Hamamatsu, Japan, October 2000.
- [85] DA FIGUEIRA FILHO, C. S.; RAMALHO, G. L.. **JEOPS - The Java Embedded Object Production System**. In: Monard, M.; Sichman, J., editors, **ADVANCES IN ARTIFICIAL INTELLIGENCE: INTERNATIONAL JOINT CONFERENCE, 7TH IBERO-AMERICAN CONFERENCE ON AI, 15TH BRAZILIAN SYMPOSIUM ON AI, IBERAMIA-SBIA 2000**, volumen 1952 de **Lecture Notes in Computer Science**, p. 53–62, 2000.
- [86] MCCUSKEY, M.. **Fuzzy logic for video games**. In: DeLoura, M. A., editor, **GAME PROGRAMMING GEMS**. Charles River Media, 2000.
- [87] RABIN, S.. **A* speed optimizations**. In: DeLoura, M. A., editor, **GAME PROGRAMMING GEMS**. Charles River Media, Hingham, USA, 2000.
- [88] SNOOK, G.. **Simplified 3D movement and pathfinding using navigation meshes**. In: DeLoura, M. A., editor, **GAME PROGRAMMING GEMS**. Charles River Media, Hingham, USA, 2000.
- [89] LAMOTHE, A.. **A Neural-Net Primer**. In: DeLoura, M. A., editor, **GAME PROGRAMMING GEMS**. Charles River Media, 2000.
- [90] NAREYEK, A.. **Open World Planning as SCSP**. In: **PAPERS FROM THE AAAI-2000 WORKSHOP ON CONSTRAINTS AND AI PLANNING, TECHNICAL REPORT, WS-00-02**, California, USA, 2000. AAAI Press.
- [91] STERN, A.. **AI beyond computer games**. In: **AAAI AI AND INTERACTIVE ENTERTAINMENT SPRING SYMPOSIUM 2000**, Palo Alto, USA, March 2000.
- [92] RABIN, S.. **Designing a General Robust AI Engine**. In: DeLoura, M. A., editor, **GAME PROGRAMMING GEMS**. Charles River Media, 2000.
- [93] LAIRD, J.. **It knows what you're going to do: Adding anticipation to a quakebot**. In: **WORKING NOTES OF THE AAAI SPRING SYMPOSIUM ON ARTIFICIAL INTELLIGENCE AND INTERACTIVE ENTERTAINMENT, TECHNICAL REPORT SS-00-02**. AAAI Press, 2000.

- [94] WILSON, I.. **The artificial emotion engine**. In: 2000 SPRING SYMPOSIUM ON AI AND INTERACTIVE ENTERTAINMENT, USA, 2000.
- [95] SILVA, D. R. D.. **Atores sintéticos em jogos de aventura: o projeto enigma no campus**. Master's thesis, Centro de Informática, UFPE, Recife, 2000.
- [96] SIEBRA, C. A.. **Uma arquitetura para suporte de atores sintéticos em ambientes virtuais - uma aplicação a jogos de estratégia**. Master's thesis, Centro de Informática, Universidade Federal de Pernambuco, Recife, PE, 2000.
- [97] KENDALL, E. A.; KRISHNA, P. V. M.; SURESH, C. B. ; PATHAK, C. G. V.. **An application framework for intelligent and mobile agents**. ACM Computing Surveys (CSUR), 32(1), 2000.
- [98] EL-NASR, M.; YEN, J. ; IOERGER, T.. **FLAME - Fuzzy Logic Adaptive Model of Emotions**. Autonomous Agents and Multi-Agent Systems, 3:219–257, 2000.
- [99] MADEIRA, C. A. G.. **Forge V8: Um framework para o desenvolvimento de jogos de computador e aplicações multimídia**. Master's thesis, Centro de Informática, Universidade Federal de Pernambuco, Recife, PE, 2001.
- [100] PESSOA, C. A. C.. **wGEM: Um Framework de Desenvolvimento de Jogos para Dispositivos Móveis**. Master's thesis, Centro de Informática, Universidade Federal de Pernambuco, Recife, PE, 2001.
- [101] JOHNSON, D.; WILES, J.. **Computer games with intelligence**. In: PROCEEDINGS OF THE 2001 IEEE INTERNATIONAL FUZZY SYSTEMS CONFERENCE, Melbourne, Australia, 2001.
- [102] DYBSAND, E.. **A Generic Fuzzy State Machine in C++**. In: DeLoura, M. A., editor, GAME PROGRAMMING GEMS 2. Charles River Media, 2001.
- [103] MANSLOW, J.. **Using a Neural Network in a Game: A Concrete Example**. In: DeLoura, M. A., editor, GAME PROGRAMMING GEMS 2. Charles River Media, 2001.
- [104] RABIN, S.. **Strategies for Optimizing AI**. In: DeLoura, M. A., editor, GAME PROGRAMMING GEMS 2. Charles River Media, 2001.

- [105] SILVA, D. R. D.; SIEBRA, C. A.; VALADARES, J. L. F.; FRERY, A. C.; FALCÃO, J. R. ; RAMALHO, G. L.. **Synthetic actor model for long-term computer games**. *Virtual Reality*, 5:1–10, 2001.
- [106] MICHAUD, F.; AUDET, J.. **Using motives and artificial emotions for long-term activity of an autonomous robot**. In: Müller, J. P.; Andre, E.; Sen, S. ; Frasson, C., editors, *PROCEEDINGS OF THE FIFTH INTERNATIONAL CONFERENCE ON AUTONOMOUS AGENTS*, p. 188–189, Montreal, Canada, 2001. ACM Press.
- [107] ALEXANDRESCU, A.. **Modern C++ Design: Generic Programming and Design Patterns Applied**. Addison Wesley, 2001.
- [108] KAMINKA, G.; VELOSO, M.; SCHAFFER, S.; SOLLITTO, C.; ADOBBATI, R.; MARSHALL, A.; SCHOLER, A. ; TEJADA, S.. **Gamebots: A flexible test bed for multi-agent team research**. *Communications of the ACM*, 45(1):43–45, 2002.
- [109] RUSSELL, S.; NORVIG, P.. **Artificial Intelligence: A Modern Approach**. Prentice Hall, 2nd edition, 2002.
- [110] CHRISTIAN, M.. **A simple inference engine for a rule-based architecture**. In: Rabin, S., editor, *AI GAME PROGRAMMING WISDOM*. Charles River Media, 2002.
- [111] ZAROSINSKI, M.. **An open-source fuzzy logic library**. In: Rabin, S., editor, *AI GAME PROGRAMMING WISDOM*. Charles River Media, 2002.
- [112] ALEXANDER, T.. **An optimized fuzzy logic architecture for decision-making**. In: Rabin, S., editor, *AI GAME PROGRAMMING WISDOM*. Charles River Media, 2002.
- [113] DEMASI, P.; OLIVEIRA, A. J.. **Fuzzy modelling for a spaceship game**. In: *PROCEEDINGS OF THE 1ST BRAZILIAN WORKSHOP ON COMPUTER GAMES AND DIGITAL ENTERTAINMENT (WJOGOS'02)*, Fortaleza, CE, 2002.
- [114] MATTHEWS, J.. **Basic A* pathfinding made simple**. In: Rabin, S., editor, *AI GAME PROGRAMMING WISDOM*. Charles River Media, 2002.

- [115] LOPES, G.; POLICARPO, F. ; WATT, A.. **Real-Time BSP-Based Path Planning with A***. In: PROCEEDINGS OF THE 1ST BRAZILIAN WORKSHOP ON GAMES AND DIGITAL ENTERTAINMENT (WJogos'02), Fortaleza, CE, Brazil, November 2002.
- [116] CAIN, T.. **Practical optimizations for A* path generation**. In: Rabin, S., editor, AI GAME PROGRAMMING WISDOM. Charles River Media, 2002.
- [117] LIDÉN, L.. **Strategic and tactical reasoning with waypoints**. In: Rabin, S., editor, AI GAME PROGRAMMING WISDOM. Charles River Media, 2002.
- [118] TOZOUR, P.. **Building a near-optimal navigation mesh**. In: Rabin, S., editor, AI GAME PROGRAMMING WISDOM. Charles River Media, 2002.
- [119] CHAMPANDARD, A. J.. **The dark art of neural networks**. In: Rabin, S., editor, AI GAME PROGRAMMING WISDOM. Charles River Media, 2002.
- [120] EVANS, R.. **Varieties of learning**. In: Rabin, S., editor, AI GAME PROGRAMMING WISDOM. Charles River Media, 2002.
- [121] MANSLOW, J.. **Learning and adaptation**. In: Rabin, S., editor, AI GAME PROGRAMMING WISDOM. Charles River Media, 2002.
- [122] LARAMÉE, F. D.. **Genetic algorithms: Evolving the perfect troll**. In: Rabin, S., editor, AI GAME PROGRAMMING WISDOM. Charles River Media, 2002.
- [123] VALADARES, J. F.. **Modelagem de sistemas complexos usando redes bayesianas: Estudo de caso do FutSim**. Master's thesis, Centro de Informática, Universidade Federal de Pernambuco, Recife, PE, 2002.
- [124] VALADARES, J. L. F.; RAMALHO, G. L. ; LADEIRA, M.. **Modeling complex management games with Bayesian Networks - The FutSim Case Study**. In: PROCEEDINGS OF THE 1ST BRAZILIAN WORKSHOP IN GAMES AND DIGITAL ENTERTAINMENT - WJOGOS'02, Fortaleza, October 2002.

- [125] TOZOUR, P.. **Introduction to bayesian networks and reasoning under uncertainty**. In: Rabin, S., editor, AI GAME PROGRAMMING WISDOM. Charles River Media, 2002.
- [126] MASA GROUP. **Direct IA Datasheet**. Whitepaper. Paris, France, 2002.
- [127] PONTEVIA, P. AND WILLIAMS, G.. **AI Middleware, A Powerful New Multi-Platform Approach For Game Development: Introducing RenderWare AI, powered by Kynogon**. Whitepaper, Criterion Software Inc., Austin, USA, 2002.
- [128] FU, D.; HOULETTE, R.. **Putting AI in entertainment: An AI authoring tool for simulation and games**. IEEE Intelligent Systems, 17(4):81–84, 2002.
- [129] MINDLATHE LTD.. **Path planning to massive worlds**. Pensor whitepaper series, wp-2002-5-1. Coventry, United Kingdom, 2002.
- [130] MINDLATHE LTD.. **Decision inertia and AI stability**. Pensor whitepaper series, wp-2002-4-2. Coventry, United Kingdom, 2002.
- [131] KARLSSON, B.; RAMALHO, G.. **Comportamento de movimentação e física no wGEM**. In: PROCEEDINGS OF THE 1ST BRAZILIAN WORKSHOP ON GAMES AND DIGITAL ENTERTAINMENT (WJogos'02), Fortaleza, CE, Brazil, November 2002.
- [132] COLLOBERT, R.; BENGIO, S. ; MARIÉTHOZ, J.. **Torch: a modular machine learning software library**. Technical report, IDIAP-RR 02-46, IDIAP, 2002.
- [133] TOZOUR, P.. **The perils of ai scripting**. In: Rabin, S., editor, AI GAME PROGRAMMING WISDOM. Charles River Media, 2002.
- [134] KARLSSON, B.. **Issues and approaches in artificial intelligence middleware development for digital games and entertainment products**. In: PROCEEDINGS OF THE INTERNATIONAL DIGITAL GAMES RESEARCH CONFERENCE 2003 (LEVEL-UP 2003), Utrecht, The Netherlands, November 2003.
- [135] ROCHA, E. J. T. S.. **Forge 16V: Um framework para desenvolvimento de jogos isométricos**. Master's thesis, Centro de Informática, Universidade Federal de Pernambuco, Recife, PE, 2003.

- [136] NAREYEK, A.; KNAFLA, B.; FU, D.; LONG, D.; REED, C.; RHALIBI, A. E. ; STEPHENS, N. S.. **The 2003 Report of the IGDA's Artificial Intelligence Interface Standards Committee**. AI-SIG, International Game Developers Association (IGDA), June 2003.
- [137] DEMASI, P.; DE OLIVEIRA CRUZ, A. J.. **Aprendizado de regras nebulosas em tempo real para jogos eletrônicos**. In: PROCEEDINGS OF THE 2ND BRAZILIAN WORKSHOP ON COMPUTER GAMES AND DIGITAL ENTERTAINMENT (WJOGOS'03), Salvador, BA, 2003.
- [138] MARTIN, C.. **Representational ai planning techniques**. In: PROCEEDINGS OF THE GAME DEVELOPERS CONFERENCE 2003, San Jose, USA, 2003.
- [139] BIOGRAPHIC TECHNOLOGIES. **AI.implant for Games**. Whitepaper. Montreal, Canada, 2003.
- [140] LEONARD, T.. **Building ai sensory systems**. In: PROCEEDINGS OF THE GAME DEVELOPERS CONFERENCE 2003, San Jose, USA, 2003.
- [141] MACRIS, A.. **Effective middleware evaluation**. Game Developer Magazine, May 2003.
- [142] KARLSSON, B.. **Prototyping a simple layered artificial intelligence engine for computer games**. In: PROCEEDINGS OF THE 4TH INTL. CONFERENCE ON INTELLIGENT GAMES AND SIMULATION (GAME-ON 2003), London, UK, November 2003.
- [143] KARLSSON, B.. **A layered artificial intelligence engine architecture prototype**. In: PROCEEDINGS OF THE 2ND BRAZILIAN WORKSHOP ON GAMES AND DIGITAL ENTERTAINMENT (WJogos'03), Salvador, BA, Brazil, November 2003.
- [144] ANWAR, A.; FRANKLIN, S.. **Sparse distributed memory for "conscious" software agents**. Cognitive Systems Research, 4:339–354, 2003.
- [145] IERUSALIMSCHY, R.. **Programming In Lua**. Lua.org, 2003.

- [146] SHREINER, D.; WOO, M.; NEIDER, J.; DAVIS, T. ; SHREINER, D.. **OpenGL Programming Guide: The Official Guide to Learning OpenGL**. Addison-Wesley, 4th edition, 2003.
- [147] RAYMOND, E. S.. **The Art of UNIX Programming**. Addison-Wesley, 2003.
- [148] ANDRADE NETO, F. C.; DE ANDRADE, G. D.; LEITÃO, A. R. G. A.; FURTADO, A. W. B. ; RAMALHO, G. L.. **Knock'em: Um estudo de caso de processamento gráfico e inteligência artificial para jogos de luta**. In: PROCEEDINGS OF THE 2ND BRAZILIAN WORKSHOP IN GAMES AND DIGITAL ENTERTAINMENT - WJOGOS'03, Salvador, 2003.
- [149] KARLSSON, B.; FEIJO, B.. **State of the Art in Commercial AI Middleware**. In: PROCEEDINGS OF THE 3RD BRAZILIAN WORKSHOP ON COMPUTER GAMES AND DIGITAL ENTERTAINMENT (WJogos'04) PART OF SBGAMES'2004, Curitiba, PR, Brazil, October 2004.
- [150] EBERLY, D. H.. **3D Game Engine Architecture : Engineering Real-Time Applications with Wild Magic**. Morgan Kaufmann, 2004.
- [151] SCHWAB, B.. **AI Game Engine Programming**. Charles River Media, 2004.
- [152] NAREYEK, A.; KARLSSON, B.; WILSON, I.; CHADY, M.; MESDAGHI, S.; AXELROD, R.; PORCINO, N.; COMBS, N.; EL RHALIBI, A.; WETZEL, B. ; ORKIN, J.. **The 2004 Report of the IGDA's Artificial Intelligence Interface Standards Committee**. AI-SIG, International Game Developers Association (IGDA), June 2004.
- [153] DORF, R. C.; BISHOP, R. H.. **Modern Control Systems**. Prentice Hall, 10th edition, 2004.
- [154] LOPES, G.. **Máquinas de estados hierárquicas em jogos eletrônicos**. Master's thesis, Departamento de Informática, PUC-Rio, Rio de Janeiro, 2004.
- [155] LI, Y.; MUSILEK, P. ; WYARD-SCOTT, L.. **Fuzzy logic in agent-based game design**. In: PROCEEDINGS OF THE 2004 ANNUAL MEETING OF THE NORTH AMERICAN FUZZY INFORMATION PROCESSING SOCIETY, p. 734–739, 2004.

- [156] POZZER, C. T.; FEIJÓ, B.; CIARLINI, N. E. M.; FURTADO, A. L. ; DREUX, M.. **Managing Actions and Movements of Non-Player Characters in Computer Games**. In: PROCEEDINGS OF THE 3RD BRAZILIAN WORKSHOP ON COMPUTER GAMES AND DIGITAL ENTERTAINMENT (WJogos'04) PART OF SBGAMES'2004, Curitiba, PR, Brazil, October 2004.
- [157] SWEETSER, P.. **Strategic decision-making with neural networks and influence maps**. In: Rabin, S., editor, AI GAME PROGRAMMING WISDOM 2. Charles River Media, 2004.
- [158] DILL, K.; SRAMEK, A.. **Performing qualitative terrain analysis in Master of Orion 3**. In: Rabin, S., editor, AI GAME PROGRAMMING WISDOM 2. Charles River Media, 2004.
- [159] GO, J.; VU, T. ; KUFFNER, J. J.. **Autonomous behaviors for interactive vehicle animations**. In: PROCEEDINGS OF THE ACM SIGGRAPH SYMPOSIUM ON COMPUTER ANIMATION (SCA 2004), August 2004.
- [160] SWEETSER, P.. **How to build neural networks for games**. In: Rabin, S., editor, AI GAME PROGRAMMING WISDOM 2. Charles River Media, 2004.
- [161] DE CARVALHO, F. G.. **Comportamento em grupo de personagens do tipo Black&White**. Master's thesis, Departamento de Informática, PUC-Rio, 2004.
- [162] ROLFES, T.. **Artificial neural networks on programmable graphics hardware**. In: Kirmse, A., editor, GAME PROGRAMMING GEMS 4, p. 373–277. Charles River Media, Hingham, MA, 2004.
- [163] SWEETSER, P.. **How to build evolutionary algorithms for games**. In: Rabin, S., editor, AI GAME PROGRAMMING WISDOM 2. Charles River Media, Hingham, Massachusetts, 2004.
- [164] BUCKLAND, M.. **Building better genetic algorithms**. In: Rabin, S., editor, AI GAME PROGRAMMING WISDOM 2. Charles River Media, Hingham, Massachusetts, 2004.
- [165] DYBSAND, E.. **Goal directed behavior using composite tasks**. In: Rabin, S., editor, AI GAME PROGRAMMING WISDOM 2. Charles River Media, Hingham, Massachusetts, 2004.

- [166] ORKIN, J.. **Applying goal-oriented action planning to games.** In: Rabin, S., editor, **AI GAME PROGRAMMING WISDOM 2.** Charles River Media, 2004.
- [167] ORKIN, J.. **Symbolic Representation of Game World State: Toward Real-Time Planning in Games.** In: **Proceedings of the AAAI-04 Workshop on Challenges in Game AI,** 2004.
- [168] NAREYEK, A.. **Artificial intelligence in computer games - state of the art and future directions.** *ACM Queue*, 1(10):58–65, 2004.
- [169] CHIVA, E.; DEVADE, J.; DONNART, J.-Y. ; MARUÉJOULS, S.. **Motivational graphs: A new architecture for complex behavior simulation.** In: Rabin, S., editor, **AI GAME PROGRAMMING WISDOM 2.** Charles River Media, Hingham, Massachusetts, 2004.
- [170] KRUSZEWSKI, P.. **The challenges and follies of building a generic ai engine.** In: **AAAI-04 WORKSHOP ON CHALLENGES IN GAME AI, USA,** 2004.
- [171] NAREYEK, A.; COMBS, N.; KARLSSON, B.; MESDAGHI, S. ; WILSON, I.. **The 2005 Report of the IGDA's Artificial Intelligence Interface Standards Committee.** AI-SIG, International Game Developers Association (IGDA), June 2005.
- [172] KARLSSON, B.. **Aplicando lógica fuzzy a agentes inteligentes em jogos digitais.** In: **WORKSHOP DE INTELIGÊNCIA COMPUTACIONAL APLICADA - ICA 2005,** PUC-Rio, Rio de Janeiro, July 2005.
- [173] POZZER, C. T.. **Um Sistema para Geração, Interação e Visualização 3D de Histórias para TV Interativa.** PhD thesis, Departamento de Informática, PUC-Rio, Rio de Janeiro, 2005.
- [174] CHIVA, E.; DONNART, J.-Y. ; CHAVANNAT, P. L.. **Apport de la théorie des systèmes complexes pour la simulation opérationnelle.** Technical report, Masa Group, 2005.
- [175] BUCKLAND, M.. **Programming Game AI by Example.** Wordware Publishing Incs, 2005.
- [176] KARLSSON, B.; FEIJO, B.. **AI Middleware as Means for Improving Gameplay.** In: **PROCEEDINGS OF THE ACM SIGCHI**

INTERNATIONAL CONFERENCE ON ADVANCES IN COMPUTER ENTERTAINMENT TECHNOLOGY 2005 (ACE 2005), Valencia, Spain, June 2005.

- [177] CIARLINI, A. E. M.; POZZER, C. T.; FURTADO, A. L. ; FEIJÓ, B.. **A Logic-Based Tool for Interactive Generation and Dramatization of Stories**. In: PROCEEDINGS OF THE ACM SIGCHI INTERNATIONAL CONFERENCE ON ADVANCES IN COMPUTER ENTERTAINMENT TECHNOLOGY 2005 (ACE 2005), Valencia, Spain, June 2005.
- [178] ARAUJO, M. P.; CELES, W.. **Uma estratégia para a visualização do céu e seus elementos em jogos**. In: PROCEEDINGS OF THE 1ST BRAZILIAN WORKSHOP IN GAMES AND DIGITAL ENTERTAINMENT - WJOGOS'02, Fortaleza, October 2002.
- [179] BATES, J.; LOYALL, A. B. ; REILLY, W. S.. **An architecture for action, emotion, and social behavior**. Technical report CMU-CS-92-142, School of Computer Science, Carnegie-Mellon University, Pittsburg, PA, 1992.
- [180] CIARLINI, A.. **Geração interativa de enredos**. PhD thesis, Departamento de Informática, PUC-Rio, Rio de Janeiro, 1999.
- [181] FU, D.; HOULETTE, R.. **The ultimate guide to FSMs in games**. In: Rabin, S., editor, AI GAME PROGRAMMING WISDOM 2, p. 283–302. Charles River Media, Hingham, Massachusetts, 2nd edition, 2004.
- [182] GRATCH, J.; MARSELLA, S.. **Tears and fears: modeling emotions and emotional behaviors in synthetic agents**. In: AGENTS '01: PROCEEDINGS OF THE 5TH INTERNATIONAL CONFERENCE ON AUTONOMOUS AGENTS, p. 278–285, Montreal, Canada, June 2001. ACM Press.
- [183] HENRY, D.. **The quake II's MD2 file format**. December 2002. Disponível em: <<http://tfc.duke.free.fr/old/models/md2.htm>>. Acesso em: 27 jan. 2005.
- [184] **JNI (Java Native Interface)- Sun Microsystems, Inc**. Disponível em: <<http://java.sun.com/j2se/1.3/docs/guide/jni/>>. Acesso em: 23 jul. 2004.

- [185] LOYALL, A. B.; BATES, J.. **Hap: A reactive, adaptive architecture for agents**. Technical report CMU-CS-91-147, School of Computer Science, Carnegie-Mellon University, Pittsburg, PA, 1991.
- [186] POZZER, C. T.; DREUX, M. ; FEIJÓ, B.. **A real-time single-pass continuous LOD algorithm for regular height maps**. In: PROCEEDINGS OF THE 3RD BRAZILIAN WORKSHOP ON COMPUTER GAMES AND DIGITAL ENTERTAINMENT (WJogos'04) PART OF SBGAMES'2004, Curitiba, PR, Brazil, October 2004.
- [187] REYNOLDS, C.. **Flocks, herds and schools: a distributed behavioral model**. Computer Graphics, 21(4):25–34, 1987.
- [188] REYNOLDS, C. W.. **Steering behaviors for autonomous characters**. In: PROCEEDINGS OF GAME DEVELOPERS CONFERENCE, p. 763–782, San Jose, California, 1999.
- [189] YOUNG, R.. **An overview of the mimesis architecture: Integrating narrative control into a gaming environment**. In: AAAI SPRING SYMPOSIUM ON ARTIFICIAL INTELLIGENCE AND INTERACTIVE ENTERTAINMENT, AAAI TECHNICAL REPORT, p. 78–81, Stanford, CA, March 2001. AAAI Press.