**CHASE: character animation scripting environment**

References

1

Arafa, Y., and Mamdani, A. 2003. Scripting embodied agents behaviour with cml: Character markup language. In International Conference on Intelligent User Interfaces, ACM Press, New York, USA, 313--316.

2

Balci, K., Not, E., Zancanaro, M., and Pianesi, F. 2007. Xface open source project and smil-agent scripting language for creating and animating embodied conversational agents. In International Conference on Multimedia, ACM Press, New York, USA, 1013--1016.

3

Chai, J., and Hodgins, J. K. 2005. Performance animation from low-dimensional control signals. ACM Transactions on Graphics 24, 3, 686--696.

4

Cohen, M. F. 1992. Interactive spacetime control for animation. ACM SIGGRAPH Computer Graphics 26, 2 (July), 293--302.

5

Davis, J., Agrawala, M., Chuang, E., Popović, Z., and Salesin, D. 2003. A sketching interface for articulated figure animation. In ACM SIGGRAPH/Eurographics Symposium on Computer Animation, Eurographics Association, UK, 320--328.

6

Feng, A. W., Xu, Y., and Shapiro, A. 2012. An example-based motion synthesis technique for locomotion and object manipulation. In ACM SIGGRAPH Symposium on Interactive 3D Graphics and Games, ACM Press, New York, USA, 95--102.

7

Formella, A., and Kiefer, P. P. 1996. Anilan - an animation language. In Computer Animation, IEEE, New York, USA, 184--189.

8

Gervautz, M., and Schmalstieg, D. 1994. Integrating a scripting language into an interactive animation system. In Computer Animation, IEEE Press, New York, USA, 156--166.

9

Gleicher, M. 1998. Retargetting motion to new characters. In 25th Annual Conference on Computer Graphics and Interactive Techniques, ACM Press, New York, USA, 33--42.

10

Huang, Z., Eliëns, A., and Visser, C. 2002. Step: A scripting language for embodied agents. In Workshop of Lifelike Animated Agents, Springer-Verlag, Berlin, Germany, 87--109.

11

Institute for Creative Technologies, accessed 29/11/2014. Smartbody. http://smartbody.ict.usc.edu/.

12

Jung, Y. A. 2008. Animating and rendering virtual humans: Extending x3d for real time rendering and animation of virtual characters. In International Conference on Computer Graphics Theory and Applications, SCITEPRESS, UK, 387--394.

13

Kapadia, M., Singh, S., Reinman, G., and Faloutsos, P. 2011. A behavior-authoring framework for multiactor simulations. Computer Graphics and Applications 31, 6, 45--55.

14

Kovar, L., and Gleicher, M. 2003. Flexible automatic motion blending with registration curves. In ACM SIGGRAPH/Eurographics Symposium on Computer Animation, Eurographics Association, UK, 214--224.

15

Kovar, L., Gleicher, M., and Pighin, F. 2002. Motion graphs. ACM Transactions on Graphics 21, 3, 473--482.

16

Kranstedt, A., Kopp, S., and Wachsmuth, I. 2002. Murml: A multimodal utterance representation markup language for conversational agents. In AAMAS Workshop Embodied conversational agents - let's specify and evaluate them!.

17

Kshirsagar, S., Magnenat-thalmann, N., Guye-Vuillème, A., Thalmann, D., Kamyab, K., and Mamdani, E. 2002. Avatar markup language. In Workshop on Virtual Environments, Eurographics Association, 169--177.

18

Lang, P., accessed 29/11/2014. Root-motion. http://www.root-motion.com/.

19

Levine, S., Theobalt, C., and Koltun, V. 2009. Real-time prosody-driven synthesis of body language. ACM Transactions on Graphics 28, 5, Article No. 28.

20

McCann, J., and Pollard, N. 2007. Responsive characters from motion fragments. ACM Transactions on Graphics 26, 3 (August), Article No. 6.

21

Min, J., and Chai, J. 2012. Motion graphs++: A compact generative model for semantic motion analysis and synthesis. ACM Transactions on Graphics 31, 6, Article No. 153.

22

Mononen, M., accessed 29/11/2014. Recast/detour navigation library. https://github.com/memononen/recastnavigation.

23

Mousas, C., and Anagnostopoulos, C.-N. 2015. Character Animation Scripting Environment. Encyclopedia of Computer Graphics and Games. Springer.

24

Mukai, T., and Kuriyama, S. 2005. Geostatistical motion interpolation. Transactions on Graphics 24, 3 (July), 1062--1070.

25

Oshita, M. 2008. Smart motion synthesis. Computer Graphics Forum 27, 7 (October), 1909--1918.

26

Oshita, M. 2010. Generating animation from natural language texts and semantic analysis for motion search and scheduling. The Visual Computer 26, 5, 339--352.

27

Park, S. I., Shin, H. J., and Shin, S. Y. 2002. On-line locomotion generation based on motion blending. In ACM SIGGRAPH/Eurographics Symposium on Computer Animation, Eurographics Association, UK, 105--111.

28

Perlin, K., and Goldberg, A. 1996. Improv: A system for scripting interactive actors in virtual worlds. In 23rd Annual Conference on Computer Graphics and Interactive Techniques, ACM Press, New York, USA, 205--216.

29

Piwek, P., Grice, M., Krenn, B., Baumann, S., Schröder, M., and Pirker, H. 2002. Rrl: A rich representation language for the description of agent behaviour in neca. In AAMAS Workshop on Embodied Conversational Agents.

30

Prendinger, H., Descamps, S., and Ishizuka, M. 2004. Mpml: A markup language for controlling the behavior of life-like characters. Journal of Visual Languages & Computing 15, 2, 183--203.

31

Rössling, G., and Freisleben, B. 2001. Animalscript: An extensible scripting language for algorithm animation. ACM SIGCSE Bulletin 33, 1 (February), 70--74.

32

Safonova, A., and Hodgins, J. K. 2007. Construction and optimal search of interpolated motion graphs. ACM Transactions on Graphics 26, 3 (August), Article No. 106.

33

Sarris, N., and Strintzis, M. G. 2003. 3D Modeling and Animation: Synthesis and Analysis Techniques for the Human Body. IGI Global, Hershey, Pennsylvania, July.

34

Shoulson, A., Marshak, N., Kapadia, M., and Badler, N. I. 2013. Adapt: The agent development and prototyping testbed. In ACM SIGGRAPH Symposium on Interactive 3D Graphics and Games, ACM Press, New York, USA, 9--18.

35

Thiebaux, M., Marsella, S., Marshall, A. N., and Kallmann, M. 2008. Smartbody: Behavior realization for embodied conversational agents. In International Joint Conference on Autonomous Agents and Multiagent Systems, ACM Press, New York, USA, vol. 1, International Foundation for Autonomous Agents and Multiagent Systems, 151--158.

36

Van Basten, B., and Egges, A. 2012. Motion transplantation techniques: A survey. Computer Graphics and Applications 32, 3, 16--23.

37

Van De Panne, M. 1997. From footprints to animation. Computer Graphics Forum 16, 4 (October), 211--223.

38

Vilhjalmsson, H., Cantelmo, N., Cassell, J., Chafai, N. E., Kipp, M., Kopp, S., Mancini, M., Marsella, S., Marshall, A. N., Pelachaud, C., Ruttkay, Z., Thorisson, K. R., Welbergen, H. v., and Werf, R. J. V. D. 2007. The behavior markup language: Recent developments and challenges. In Intelligent virtual agents, Springer Berlin-Heidelberg, 99--111.

39

Vitzthum, A., Amor, H. B., Heumer, G., and Jung, B. 2012. Xsampl3d: An action description language for the animation of virtual characters. Journal of Virtual Reality and Broadcasting 9, Article No. 1.

40

Witkin, A., and Popovic, Z. 1995. Motion warping. In 22nd Annual Conference on Computer Graphics and Interactive Techniques, ACM Press, New York, USA, 105--108.