14. Hong, P., Turk, M., and Huang, T. S. Constructing finite state machines for fast gesture recognition. *Proceedings 15th International Conference on Pattern Recognition. ICPR-2000* (2000).

15. Hoste, L., De Rooms, B., and Signer, B. Declarative Gesture Spotting Using Inferred and Refined Control Points. In *Proceedings of ICPRAM 2013, 2nd International Conference on Pattern Recognition Applications and Methods* (Barcelona, Spain, 2013).

16. Jammalamadaka, S. R., and SenGupta, A. *Topics in Circular Statistics (Series on multivariate analysis ; v. 5)*, 1 ed. World Scientific, 2001.

17. Kammer, D., Wojdziak, J., Keck, M., Groh, R., and Taranko, S. Towards a formalization of multi-touch gestures. In *ACM International Conference on Interactive Tabletops and Surfaces*, ITS '10, ACM (New York, NY, USA, 2010), 49–58.

18. Khandkar, S. H., and Maurer, F. A domain specific language to define gestures for multi-touch applications. In *Proceedings of the 10th Workshop on Domain-Specific Modeling*, DSM '10, ACM (New York, NY, USA, 2010), 2:1–2:6.

19. Kin, K., Hartmann, B., DeRose, T., and Agrawala, M. Proton++: A customizable declarative multitouch framework. In *Proceedings of the 25th Annual ACM Symposium on User Interface Software and Technology*, UIST '12, ACM (New York, NY, USA, 2012), 477–486.

20. Kin, K., Hartmann, B., DeRose, T., and Agrawala, M. Proton: Multitouch gestures as regular expressions. In *Proceedings of the SIGCHI Conference on Human Factors in Computing Systems*, CHI '12, ACM (New York, NY, USA, 2012), 2885–2894.

21. Lü, H., and Li, Y. Gesture coder: A tool for programming multi-touch gestures by demonstration. In *Proceedings of the SIGCHI Conference on Human Factors in Computing Systems*, CHI '12, ACM (New York, NY, USA, 2012), 2875–2884.

22. Myers, C. S., and Rabiner, L. R. A comparative study of several dynamic time-warping algorithms for connected-word recognition. *The Bell System Technical Journal 60*, 7 (Sept 1981), 1389–1409.

23. NUI Group. Gesture Definition Markup Language(GDML). `http://goo.gl/ZYuf6N`, 2009. Accessed: 2017-2-10.

24. Ortega, F. R., Galvan, A., Tarre, K., Barreto, A., Rishe, N., Bernal, J., Balcazar, R., and Thomas, J. L. Gesture elicitation for 3d travel via multi-touch and mid-air systems for procedurally generated pseudo-universe. In *2017 IEEE Symposium on 3D User Interfaces (3DUI)* (March 2017), 144–153.

25. Pittman, J. A. Recognizing handwritten text. In *Proceedings of the SIGCHI Conference on Human Factors in Computing Systems*, CHI '91, ACM (New York, NY, USA, 1991), 271–275.

26. Rekik, Y., Vatavu, R.-D., and Grisoni, L. Match-up & conquer: A two-step technique for recognizing unconstrained bimanual and multi-finger touch input. In *Proceedings of the 2014 International Working Conference on Advanced Visual Interfaces*, AVI '14, ACM (New York, NY, USA, 2014), 201–208.

27. Renaux, T., Hoste, L., Marr, S., and De Meuter, W. Parallel gesture recognition with soft real-time guarantees. In *Proceedings of the 2Nd Edition on Programming Systems, Languages and Applications Based on Actors, Agents, and Decentralized Control Abstractions*, AGERE! 2012, ACM (New York, NY, USA, 2012), 35–46.

28. Rubine, D. Specifying gestures by example. *SIGGRAPH Comput. Graph. 25*, 4 (July 1991), 329–337.

29. Schmidt, M., and Weber, G. Template based classification of multi-touch gestures. *Pattern Recognition 46*, 9 (2013), 2487.

30. Scholliers, C., Hoste, L., Signer, B., and De Meuter, W. Midas: A declarative multi-touch interaction framework. In *Proceedings of the Fifth International Conference on Tangible, Embedded, and Embodied Interaction*, TEI '11, ACM (New York, NY, USA, 2011), 49–56.

31. Sezgin, T. M., and Davis, R. HMM-based efficient sketch recognition. *Proceedings of the 10th international conference on Intelligent user interfaces - IUI '05* (2005).

32. Spano, L. D., Cisternino, A., Paternò, F., and Fenu, G. Gestit: A declarative and compositional framework for multiplatform gesture definition. In *Proceedings of the 5th ACM SIGCHI Symposium on Engineering Interactive Computing Systems*, EICS '13, ACM (New York, NY, USA, 2013), 187–196.

33. Starner, T., Weaver, J., and Pentland, A. Real-time american sign language recognition using desk and wearable computer based video. *IEEE Transactions on Pattern Analysis and Machine Intelligence 20*, 12 (Dec 1998), 1371–1375.

34. Vatavu, R.-D., Anthony, L., and Wobbrock, J. O. Gestures as point clouds: A $p recognizer for user interface prototypes. In *Proceedings of the 14th ACM International Conference on Multimodal Interaction*, ICMI '12, ACM (New York, NY, USA, 2012), 273–280.

35. Wilson, A., and Shafer, S. Xwand: Ui for intelligent spaces. In *Proceedings of the SIGCHI Conference on Human Factors in Computing Systems*, CHI '03, ACM (New York, NY, USA, 2003), 545–552.

36. Wobbrock, J. O., Wilson, A. D., and Li, Y. Gestures without libraries, toolkits or training: A $1 recognizer for user interface prototypes. In *Proceedings of the 20th Annual ACM Symposium on User Interface Software and Technology*, UIST '07, ACM (New York, NY, USA, 2007), 159–168.

37. Zhai, S., and Kristensson, P.-O. Shorthand writing on stylus keyboard. In *Proceedings of the SIGCHI Conference on Human Factors in Computing Systems*, CHI '03, ACM (New York, NY, USA, 2003), 97–104.