

# Artificial Intelligence

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- [1] Clemens Ballarin, *Computer algebra and theorem proving*, PhD Thesis, University of Cambridge, 1999.
- [2] Clemens Ballarin, Jacques Calmet, and Peter Kullmann, *Integration of deduction and computation*, 2000.
- [3] Michael J. Beeson, *The mechanization of mathematics*, Alan Turing: Life and Legacy of a Great Thinker, Springer, Berlin, 2004, pp. 77–134. MR MR2172456
- [4] Mireille Boutin and Gregor Kemper, *On reconstructing  $n$ -point configurations from the distribution of distances or areas*, Adv. in Appl. Math. **32** (2004), no. 4, 709–735. MR MR2053842 (2005c:68259)
- [5] ———, *On reconstructing configurations of points in  $P^2$  from a joint distribution of invariants*, Appl. Algebra Engrg. Comm. Comput. **15** (2005), no. 6, 361–391. MR MR2134687 (2006a:13011)
- [6] Arjeh Cohen, Scott H. Murray, Martin Pollet, and Volker Sorge, *Certifying solutions to permutation group problems*, Automated Deduction - CADE-19, Lecture Notes in Computer Science, vol. 2741, Springer Berlin/Heidelberg, 2003, pp. 258–273.
- [7] James H. Davenport, *Equality in computer algebra and beyond*, J. Symbolic Comput. **34** (2002), no. 4, 259–270. MR MR1946634 (2003m:68188)
- [8] Andreas Döring, *Kooperation eines theorembeweislers und eines computeralgebrasystems*, Ph.D. thesis, Institut für Algorithmen und Kognitive Systeme, Universität Karlsruhe, 1994, p. 22.
- [9] Andreas Franke and Michael Kohlhase, *System description: Mathweb, an agent-based communication layer for distributed automated theorem proving*, Automated Deduction - Cade-16: Proceedings of the 16th International Conference on Automated Deduction, Trento, Italy, July 1999, Lecture Notes in Computer Science, vol. 1632, Springer, Berlin, Heidelberg, 1999, pp. 243–258.

- [10] Harald Ganzinger (ed.), *Automated deduction—CADE-16*, Lecture Notes in Computer Science, vol. 1632, Berlin, Springer-Verlag, 1999, Lecture Notes in Artificial Intelligence. MR MR1730373 (2000h:68009)
- [11] Karsten Homann, *Symbolisches lösung mathematischer probleme durch kooperation algorithmischer und logischer systeme*, Ph.D. thesis, Fakultät für Informatik der Universität Karlsruhe, 1996, p. 198.
- [12] Karsten Homann and Jacques Calmet, *Combining theorem proving and symbolic mathematical computing*, Selected Papers from the Second International Conference on Integrating Symbolic Mathematical Computation and Artificial Intelligence, Lecture Notes in Comput. Sci., vol. 958, Springer, London, 1994, pp. 18–29.
- [13] Cezary Kaliszyk and Freek Wiedijk, *Certified computer algebra on top of an interactive theorem prover*, Towards Mechanized Mathematical Assistants, Lecture Notes in Computer Science, vol. 4573/2007, Springer Berlin / Heidelberg, 2007, pp. 94–105.
- [14] David Nister, Richard Hartley, and Henrik Stewenius, *Using Galois theory to prove structure from motion algorithms are optimal*, Computer Vision and Pattern Recognition, 2007. CVPR '07, 17-22 June 2007.
- [15] S. Petitjean, *Algebraic geometry and computer vision: Polynomial systems, real and complex roots*, J. Math. Imaging Vision **10** (1999), no. 3, 191–220. MR MR1695944 (2001e:68197)
- [16] Tomaz Pisanski, Marko Boben, and Arjana Zitnik, *Interactive conjecturing with VEGA*, Fajtlowicz, Siemion (ed.) et al., Graphs and Discovery, DIMACS Series in Discrete Mathematics and Theoretical Computer Science, vol. 69, American Mathematical Society (AMS), Providence, RI, 2005, pp. 351–364.
- [17] Virgile Prevosto and Damien Doligez, *Algorithms and proofs inheritance in the Foc language*, J. Automat. Reason. **29** (2002), no. 3-4, 337–363, Mechanizing and automating mathematics: in honor of N. G. de Bruijn. MR MR1966959 (2004b:68196)
- [18] Fabrice Rouillier, Mohab Safey El Din, and Éric Schost, *Solving the Birkhoff interpolation problem via the critical point method: An experimental study*, ADG '00: Revised Papers from the Third International Workshop on Automated Deduction in Geometry (Zurich, 2000) (Jürgen Richter-Gebert and Dongming Wang, eds.), Lecture Notes in Computer Science, vol. 2061, Springer-Verlag, Berlin, 2001, Lecture Notes in Artificial Intelligence, pp. viii+325. MR MR1908025 (2003a:68007)

- [19] Lewis Stiller, *Multilinear algebra and chess endgames*, Games of no Chance (Berkeley, CA, 1994), Math. Sci. Res. Inst. Publ., vol. 29, Cambridge Univ. Press, Cambridge, 1996, pp. 151–192. MR MR1427964
- [20] Jürgen Zimmer and Louise A. Dennis, *Inductive theorem proving and computer algebra in the MathWeb Software Bus*, Artificial Intelligence, Automated Reasoning, and Symbolic Computation, Lecture Notes in Comput. Sci., vol. 2385, Springer, Berlin, 2002, pp. 319–331. MR MR2052097