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# Bibliography

- [BCR98] Jacek Bochnak, Michel Coste and Marie-Françoise Roy: *Real algebraic geometry*, vol. 36 of *Ergebnisse der Mathematik und ihrer Grenzgebiete. 3. Folge*. Springer (1998).
- [Boe22] Tobias Boege: *The Gaussian conditional independence inference problem*. Ph.D. thesis, OvGU Magdeburg (2022). DOI: <https://dx.doi.org/10.25673/86275>.
- [BPR06] Saugata Basu, Richard Pollack and Marie-Françoise Roy: *Algorithms in real algebraic geometry*, vol. 10 of *Algorithms and Computation in Mathematics*. Springer, 2nd ed. (2006).
- [BPT13] Grigoriy Blekherman, Pablo A. Parrilo and Rekha R. Thomas, eds.: *Semidefinite optimization and convex algebraic geometry*, vol. 13 of *MOS/SIAM Ser. Optim.* Society for Industrial and Applied Mathematics (SIAM) (2013). DOI: <https://dx.doi.org/10.1137/1.9781611972290>.
- [DF04] David S. Dummit and Richard M. Foote: *Abstract algebra*. Chichester: Wiley, 3rd ed. ed. (2004).
- [DHO<sup>+</sup>16] Jan Draisma, Emil Horobet, Giorgio Ottaviani, Bernd Sturmfels and Rekha R. Thomas: *The Euclidean distance degree of an algebraic variety*. *Found. Comput. Math.*, 16(1):99–149 (2016). DOI: <https://dx.doi.org/10.1007/s10208-014-9240-x>.
- [Mar98] George E. Martin: *Geometric constructions*. Undergraduate Texts Math. Springer (1998).
- [Mar02] David Marker: *Model theory: An introduction*, vol. 217 of *Graduate Texts in Mathematics*. Springer (2002).
- [Mar08] Murray Marshall: *Positive polynomials and sums of squares*, vol. 146 of *Math. Surv. Monogr.* American Mathematical Society (AMS) (2008).
- [MT03] Annalisa Marcja and Carlo Toffalori: *A guide to classical and modern model theory*, vol. 19 of *Trends in Logic—Studia Logica Library*. Kluwer (2003). DOI: <https://dx.doi.org/10.1007/978-94-007-0812-9>.
- [Zha05] Fuzhen Zhang, ed.: *The Schur complement and its applications*. Springer (2005).



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# Mathematical software

- [Bro03] Christopher W. Brown: *QEPCAD B: A Program for Computing with Semi-Algebraic Sets Using CADs.* SIGSAM Bull., 37(4):97–108 (2003). DOI: <https://doi.org/10.1145/968708.968710>.
- [BT18] Paul Breiding and Sascha Timme: *HomotopyContinuation.jl: a package for homotopy continuation in Julia.* In *Mathematical software – ICMS 2018. 6th international conference, South Bend, IN, USA, July 24–27, 2018. Proceedings*, pp. 458–465. Springer (2018). DOI: [https://doi.org/10.1007/978-3-319-96418-8\\_54](https://doi.org/10.1007/978-3-319-96418-8_54).
- [WM] Wolfram Research, Inc.: *Mathematica*. Champaign, IL, 2018. Version 11.3.