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- 1. How to cite references in your text
- 2. How to organize the reference list
- 3. Book
- 4. Conference workshop
- 5. Dataset
- 6. <u>Dissertation or thesis</u>
- 7. Journal article
- 8. Preprint
- 9. Report
- 10. Software

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See [11,12].

See, for example, [1,3,10-13,15-20,22-25,27,28].

For some work along these lines, see [3,13,17,18,27].

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Most books and articles are classified by subfield and uniquely identified in the Mathematical Reviews (MR) Database. This MR number can be included as the last item in each reference. The MR Database is searchable at http://www.ams.org/mr-database.

[32] S. Kihara, *On an elliptic curve over Q(t) of rank* ≥ *14*, Proc. Japan Acad. Ser. A Math. Sci. 77 (2001), pp. 50–51 MR 2002a:11057.

3. Book.

Capitalize main words in book titles

One author

- [1] S. Alinhac, *Blowup for Nonlinear Hyperbolic Equations*, Progress in Nonlinear Differential Equations and Applications Vol. 17, Birkhäuser, Boston, MA, 1995.
- [2] A. Weil, Basic Number Theory, Springer-Verlag, Berlin, 1995.

Three or more authors

[3] P.E. Gill, W. Murray, and M.H. Wright, *Practical Optimization*, Academic Press, London, 1981.

Do not use 'et al.'

Edited book

- [1] F.E. Bowder (ed.), Nonlinear Operators and Nonlinear Equations of Evolution in Banach Spaces, Proceedings of Symposia in Pure Mathematics Vol. 18, Part 2, American Mathematical Society, Providence, RI, 1976.
- [2] U. Hornung (ed.), *Homogenization and Porous Media*, Springer, Berlin, 1996.

Chapter

[1] A.R. Conn and P.L. Toint, *An algorithm using quadratic interpolation*, in *Nonlinear Optimization and Applications*, G. Di Pillo and F. Giannessi, eds., Kluwer Academic/Plenum Publishers, New York, 1996, pp. 27–47.

[2] W.E. Hart, A stationary point convergence theory of evolutionary algorithms, in Foundations of Genetic Algorithms 4, R.K. Belew and M.D. Vose, eds., Morgan Kaufmann, San Francisco, 1997, pp. 127–134.

Multiple editions

[1] R. Fourer, D.M. Gay, and B.W. Kernighan, *AMPL: A Modeling Language for Mathematical Programming*, 2nd ed., Thomson/Brooks/Cole, Pacific Grove, CA, 2003.

Multiple volumes

- [1] R. Fletcher, *Practical Methods of Optimization*, 2nd ed., Vol. 2, Wiley and Sons, New York, 1980.
- [2] M. Reed and B. Simon, Methods of Modern Mathematical Physics 1. Functional Analysis, Academic Press, New York, 1980.
- [3] G.W. Stewart, *Matrix Algorithms. Volume 1: Basic Decompositions*, SIAM, Philadelphia, 1998.

4. Conference workshop.

[1] P. Hovland, *Automatic differentiation and its role in simulation-based optimization*, IMA Workshop, Minneapolis, MN, 2003.

5. Dataset.

[1] G.-Y. Wang, Z.-M. Zhu, S. Cui, and J.-H. Wang, *Data from: Glucocorticoid induces incoordination between Glutamatergic and GABAergic neurons in the amygdala*, Dryad Digital Repository, 2017; dataset available at https://doi.org/10.5061/dryad.k9q7h.

6. Dissertation or thesis.

[1] J.S. Ellenberg, *Hilbert modular forms and the Galois representations associated to Hilbert-Blumenthal abelian varieties*, Ph.D. diss., Harvard University, 1998.

7. Journal article.

- [1] J. Burckhardt, M. Gunzburger, and J. Peterson, *Insensitive functionals, inconsistent gradients, spurious minima, and regularized functionals in flow optimization problems*, Int. J. Comput. Fluid Dyn. 16 (2002), pp. 171–185.
- [2] I.D. Coope and C.J. Price, *Positive bases in numerical optimization*, Comput. Optim. Appl. 21 (2003), pp. 169–175.
- [3] N.P. Strickland, *Finite subgroups of formal groups*. J. Pure Appl. Algebra 121 (1997), pp. 161–208.

Article title

Capitalize the first word, the first word after a colon, and any proper nouns.

Journal title

Abbreviate the journal title as shown in the list available at http://www.ams.org/msnhtml/serials.pdf

Online

If the article you are citing is online, mention the URL just before the MR number if given.

- [1] M. Haiman, *Hilbert schemes, polygraphs, and the Macdonald positivity conjecture*, J. Amer. Math. Soc. 14 (2001), pp. 941–1006. Available at http://www.math.berkeley.edu/~mhaiman. MR 2002c:14008.
- [2] J. Holt, *Multiple bumping of components of deformation spaces of hyperbolic 3-manifolds*, Amer. J. Math. 125 (2003), pp. 691–736. Available at http://muse.jhu.edu/journals/american_journal_of_mathematics/v125/125.4holt.pdf.

8. Preprint.

- [1] J.S. Ellenberg, *Serre's conjecture over F*₉, preprint (2002), submitted for publication. Available at http://www.math.princeton.edu/~ellenber/papers.html.
- [2] J. Haglund, Conjectured statistics for the q, t-Catalan numbers, preprint (2003), to appear in Adv. Math. Available at http://www.math.upenn.edu/~jhaglund.
- [3] R. Miatello and R. Podesta, *The spectrum of twisted Dirac operators on compact flat manifolds*, preprint (2003). Available at arXiv, math. DG/0312004.
- [4] X. Sun, Singular structure of harmonic maps to trees, preprint (2001), published as Regularity of harmonic maps to trees, Amer. J. Math. 125 (2003), pp. 737–771.
- [5] R. Taylor, *On the meromorphic continuation of degree two L-functions*, preprint (2003). Available at http://abel.math.harvard.edu/~rtaylor/.
- [6] L.W. Tu, A generalized Vandermonde determinant, preprint (2003). Available at http://www.arxiv.org/PS_cache/math/pdf/0312/0312446.pdf.

9. Report.

[1] M.J.D. Powell, On the Lagrange functions of quadratic models that are defined by interpolation, Tech. Rep. DAMTP 2000/NA10, Department of Applied Mathematics and Theoretical Physics, University of Cambridge, Cambridge, UK, 2000.

10. Software.

- [1] T.G. Golda, P.D. Hough, and G. Gay, *APPSPACK (Asynchronous parallel pattern search package)*; software available at http://software.sandia.gov/appspack.
- [2] *MultiSimplex 2.0.* Grabitech Solutions AB, Sundvall, Sweden, 2000; software available at http://www.multisimplex.com.

FORCE11-compliant software entry

[1] K. Hecht, R. McKinnon, T. Podkowiak, M. Roman, J. Schmidt, S. Vivier, E. Werst, and J. Wyman, *Spectrum 6.06*, Avenir Health, 2021; software available at https://avenirhealth.org/Download/Spectrum/SpecInstall.EXE.