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### Maths (numbered and in numerical order)

References are given in the text by bracketed numbers [1], with a list of references at the end of the article in numerical order.

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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. **Dissertation or thesis**
6. **Journal article**
7. **Preprint**
8. **Report**
9. **Software**

### 1. How to cite references in your text.

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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].

### 2. How to organize the reference list.

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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>.

Publications by the same author are listed in the order of publication, beginning with the earliest.

- [32] S. Kihara, *On an elliptic curve over  $Q(t)$  of rank  $\geq 14$* , Proc. Japan Acad. Ser. A Math. Science. 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. 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.

## **6. 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](http://muse.jhu.edu/journals/american_journal_of_mathematics/v125/125.4holt.pdf).

### **7. 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 *Advances in 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](http://www.arxiv.org/PS_cache/math/pdf/0312/0312446.pdf).

### **8. 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.

### **9. 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>.