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**Mirror symmetry I.** (English) [Zbl 0905.00078](#)

[AMS/IP Studies in Advanced Mathematics](#). 9. Providence, RI: American Mathematical Society (AMS). xiv, 444 p. (1998).

From the preface to the New Edition: This volume represents a new edition of the papers which were originally published in “Essays on mirror manifolds” (1991; [Zbl 0816.00010](#)). That volume has continued to be quite popular, and this new edition is supplemented by an additional volume, Mirror Symmetry 2, edited by B. Greene and S.-T. Yau (see [Zbl 0905.00078](#)) below. In this volume, a number of errors are corrected which were found in the original: for example, the workshop on Mirror Manifolds at the Mathematical Sciences Research Institute took place in 1991, not 1911. The paper by Geir Ellingsrud and Stein A. Stromme has been withdrawn at the authors’ request. Meanwhile, P. M. H. Wilson’s paper on “Kähler Classes on Calabi-Yau Threefolds – an Informal Survey”; Sheldon Katz’s paper on “Rational Curves on Calabi-Yau Threefolds”; Ziv Ran’s paper on “Deformations of Calabi-Yau Kleinfelds”; and David R. Morrison’s paper on “Picard-Fuchs Equations and Mirror Maps for Hypersurfaces” have all been corrected per new drafts from the authors.

**MSC:**

- [00B25](#) Proceedings of conferences of miscellaneous specific interest
- [81-06](#) Proceedings, conferences, collections, etc. pertaining to quantum theory
- [14-06](#) Proceedings, conferences, collections, etc. pertaining to algebraic geometry
- [32-06](#) Proceedings, conferences, collections, etc. pertaining to several complex variables and analytic spaces
- [00B60](#) Collections of reprinted articles

Cited in **2** Reviews

**Keywords:**

[Mirror symmetry](#)