

Here is the Title

Only Author*

*School of Mathematical Sciences, Beijing Normal University, Beijing 100875, P.R.
China*

Abstract. The abstract should provide a brief summary of the main findings of the paper.

AMS subject classifications: 52B10, 65D18, 68U05, 68U07

Key words: moving mesh method, conservative interpolation, iterative method, l^2 projection.

1 Introduction

In the past two decades, there has been important progress in developing adaptive mesh methods for PDEs. Mesh adaptivity is usually of two types in form: local mesh refinement and moving mesh method.

2 Preparation of Manuscript

The Title Page should contain the article title, authors' names and complete affiliations, and email addresses of all authors. The Abstract should provide a brief summary of the main findings of the paper.

References should be cited in the text by a number in square brackets. Literature cited should appear on a separate page at the end of the article and should be styled and punctuated using standard abbreviations for journals (see Chemical Abstracts Service Source Index, 1989). For unpublished lectures of symposia, include title of paper, name of sponsoring society in full, and date. Give titles of unpublished reports with "(unpublished)" following the reference. Only articles that have been published or are in press should be included in the references. Unpublished results or personal communications should be cited as such in the text. Please note the sample at the end of this paper.

Equations should be typewritten whenever possible and the number placed in parentheses at the right margin. Reference to equations should use the form "Eq. (2.1)" or

*Corresponding author. *Email address:* author@email (O. Author)

simply "(2.1)." Superscripts and subscripts should be typed or handwritten clearly above and below the line, respectively.

Figures should be in a finished form suitable for publication. Number figures consecutively with Arabic numerals. Lettering on drawings should be of professional quality or generated by high-resolution computer graphics and must be large enough to withstand appropriate reduction for publication. For example, if you use MATLAB to do figure plots, axis labels should be at least point 18. Title should be 24 points or above. Tick marks labels better have 14 points or above. Line width should be 2 (or above).

Illustrations in color in most cases can be accepted only if the authors defray the cost. At the Editor's discretion a limited number of color figures each year of special interest will be published at no cost to the author.

Acknowledgments

The author would like to thank

References

- [1] M. J. Berger and P. Collela, Local adaptive mesh refinement for shock hydrodynamics, *J. Comput. Phys.*, 82 (1989), 62-84.
- [2] C. de Boor, Good Approximation By Splines With Variable Knots II, in Springer Lecture Notes Series 363, Springer-Verlag, Berlin, 1973.
- [3] Z. J. Tan, T. Tang and Z. R. Zhang, A simple moving mesh method for one- and two-dimensional phase-field equations, *J. Comput. Appl. Math.*, to appear.
- [4] E. F. Toro, Riemann Solvers and Numerical Methods for Fluid Dynamics, Springer-Verlag Berlin Heidelberg, 1999.