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$$c^2 = a^2 + b^2. \tag{1}$$

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References are cited in the text just by square brackets [1]. (If square brackets are not available, slashes may be used instead, e.g. /2/). Two or more references at a time may be put in one set of brackets [3, 4]. The references are to be numbered in the order in which they are cited in the text and are to be listed at the end of the contribution under a heading *References*, see our example below.

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References

[1] J. van der Geer, J. A. J. Hanraads, R. A. Lupton, the art of writing a scientific article, *J. Sci. Commun.* 163 (2000) 51-59.

Reference to a book

[2] W. Strunk Jr., E. B. White, *The Elements of Style* third ed. Macmillan, New York, 1970.

Reference to a chapter in an edited book

[3] G. R. Mettam, L. B. Adams, How to prepare an electronic version of your article, in: B. S. Jones, R. Z. Smith (Eds.), *Introduction to the Electronic Age*, E-Publishing Inc., New York, 1999, pp. 281-304.

[4] R. J. Ong, J. T. Dawley and P. G. Clem: submitted to *Journal of Material Research* (2003).

[5] P. G. Clem, M. Rodriguez, J. A. Voigt and C. S. Ashley, U. S. Patent 6,231,666 (2001).

[6] Information on <http://www.weld.labs.gov.cn>.