

Example of T_EX Format for AQIS Extended Abstract

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Abstract. Please substitute this for your 100-words abstract.

Keywords: AQIS, template

1 Format of the Manuscripts

The extended abstract should be submitted via Easy-Chair. It should follow the style described below.

Basic Format:

- The manuscript should be typeset with the style files available at <http://www.qci.jst.go.jp/aqis10/submission.html> and prepared in PDF¹.
- The extended abstract should clearly explain the contribution and its significance within its first 2 pages including the title page, using A4-sized papers.
- The total length can be up to 10 pages for an oral presentation and 4 pages for a poster.
- No page of the manuscript should contain page numbers/page headings.

Layout:

- The manuscript should have top-, foot-, and side-margins of 2cm, 2.5cm, and 1.5cm, respectively (the title page should have top margin of 3cm.)
- The manuscript should begin with a title, followed by names, affiliations and postal addresses of authors, followed by a 100-word abstract and keywords. The main body should use two-column style. E-mail addresses of authors should be placed in footnotes.

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¹When you create PDF file from your manuscript source (especially from MS-Word), please select fonts carefully for some fonts cannot be handled well by PDF creating system.

2 Theorems and Proofs

Our style file prepares the following environments.

Environment name	Heading
<code>definition</code>	Definition
<code>theorem</code>	Theorem
<code>lemma</code>	Lemma
<code>corollary</code>	Corollary
<code>proposition</code>	Proposition
<code>example</code>	Example
<code>remark</code>	Remark
<code>fact</code>	Fact
<code>conjecture</code>	Conjecture

3 Figures and Tables

For figures and tables, the captions should be placed below figures and above tables.

4 Bibliography Styles

The following bibliography style used in this document is preferable. The authors may use common abbreviations for journal and conference names.

References

- [1] L. K. Grover. A fast quantum mechanical algorithm for database search. In *Proc. of the 28th ACM STOC*, pages 212–219, 1996.
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- [3] A. S. Holevo. The capacity of quantum channel with general signal states. quant-ph/9611023, 1996.
- [4] P. W. Shor. Polynomial-time algorithms for prime factorization and discrete logarithms on a quantum computer. *SIAM J. on Comp.*, 26(5):1484–1509, 1997.

A Appendix

You can add more detailed explanations of your contribution in the appendix format. The total length should be up to 10 pages for an oral presentation and 4 pages for a poster.