

# Instructions for the Usage of JJAP Package for L<sup>A</sup>T<sub>E</sub>X 2<sub>ε</sub>

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These instructions are primarily for authors who have prepared manuscripts using L<sup>A</sup>T<sub>E</sub>X 2<sub>ε</sub>. For the above reason, basic instructions for the usage of L<sup>A</sup>T<sub>E</sub>X 2<sub>ε</sub> are not presented here.

KEYWORDS: JJAP, L<sup>A</sup>T<sub>E</sub>X 2<sub>ε</sub>, amsmath package

## 1. Introduction

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Permission to use the class files (hereafter, JJAP Package) is granted provided that neither the content nor the filename of any file is changed. Permission to make and distribute verbatim copies of the JJAP Package (all the files listed below) is granted provided that this file and copyright notices are preserved on all copies.

This file is part of the JJAP Package distributed by the Japanese Journal of Applied Physics. The package contains:

**readme.1st** Readme file.

**jjap.cls** JJAP class file.

**jjapprn.clo** JJAP optional class file for preparing a manuscript for submission.

**overcite.sty** A package file for citation written by Donald Arseneau.

**test1.tex** Test file from a JJAP article.

**test2.tex** Test file for a manuscript for submission from a JJAP article.

**doc980626.pdf** This file.

Please note that the amsmath package will automatically be installed to the class file.

## 2. Installation

First, put the first three files listed above in the newly created directory/folder named *e.g.*, “jjap” under \texmf\tex directory/folder. Then define the path.

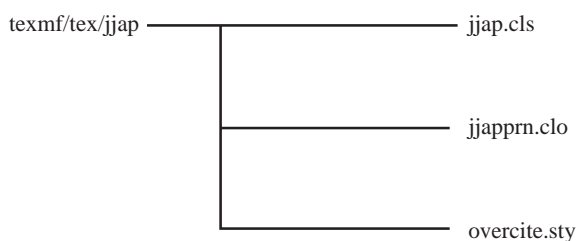


Fig. 1. Sample structure of the directory.

## 3. Differences from Standard L<sup>A</sup>T<sub>E</sub>X 2<sub>ε</sub> Class Files

- Preamble—please refer to the attached test files.
- Figure and table environments
  - halffigure and halftable—for small figures and tables, respectively.
  - fullfigure and fulltable—for big figures and

tables, respectively.

- halftabular and fulltabular—for small and big tabular materials, respectively.

Strictly speaking, when the width of a figure or tabular material is narrower than one column width, *i.e.*, 86 mm, you should use halffigure(table). Otherwise, use fullfigure(table).

- \makefigurecaptions—this command will automatically list figure captions after the bibliography. However, figure captions or tables for an appendix should be placed within the appendix.

## 4. Options

- jjapprn—prepares a manuscript for submission to JJAP.

⇒ `\documentclass[jjapprn]{jjap}`

- seceq—labels equation numbers in accordance with the section number.

⇒ `\documentclass[seceq]{jjap}`

## 5. Prohibited Usage

Use of the following is prohibited:

- Vertical or horizontal spacing commands
- Author-prepared macros (since we will reuse source files for database, web publication, etc.)
- Plain T<sub>E</sub>X commands, *e.g.*, \over, \$\$ for display equations, etc.

## 6. Notes

- For detailed usage of L<sup>A</sup>T<sub>E</sub>X 2<sub>ε</sub>, please refer to the textbooks listed below.<sup>1–3)</sup> If you are interested in T<sub>E</sub>X, ref. 4 may be of interest.
- For detailed usage of the amsmath package, please refer to the appropriate document in your L<sup>A</sup>T<sub>E</sub>X 2<sub>ε</sub> system.
- For information on the version, please refer to the readme.1st file.

- 1) L. Lamport: *L<sup>A</sup>T<sub>E</sub>X: A Document Preparation System* (Addison–Wesley, Reading, 1994) 2nd ed.
- 2) M. Goossens, F. Mittelbach and A. Samarin: *The L<sup>A</sup>T<sub>E</sub>X Companion* (Addison–Wesley, Reading, 1994).
- 3) K. Nakano: *Nihongo L<sup>A</sup>T<sub>E</sub>X 2<sub>ε</sub> Bukku* (Japanese L<sup>A</sup>T<sub>E</sub>X 2<sub>ε</sub> Book) (ASCII, Tokyo, 1996) [in Japanese].
- 4) D. E. Knuth: *The T<sub>E</sub>Xbook* (Addison–Wesley, Reading, 1991) Revised to cover T<sub>E</sub>X3.

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