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DRAFT: AN ARTICLE CREATED USING L^AT_EX₂_ε IN ASME FORMAT

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ABSTRACT

This article illustrates preparation of ASME paper using L^AT_EX₂_ε. An abstract for an ASME paper should be less than 150 words and is normally in italics.

Beautiful Figure

FIGURE 1. THE FIGURE CAPTION USES CAPITAL LETTERS.

NOMENCLATURE

A You may include nomenclature here.

α There are two arguments for each entry of the nomenclature environment, the symbol and the definition.

The spacing between abstract and the text heading is two line spaces. The primary text heading is boldface in all capitals, flushed left with the left margin. The spacing between the text and the heading is also two line spaces.

INTRODUCTION

Introduc...

MATHEMATICS

Sample equation

Equation 1

$$f(t) = \int_{0+}^t F(t)dt + \frac{dg(t)}{dt} \quad (1)$$

Sample Figure

Figure 1

Sample Table

Figure 1

All tables should be numbered consecutively and captioned; the caption should use all capital letters, and centered above the table as shown in Table 1. The body of the table should be no smaller than 7 pt. There should be a minimum two line spaces between tables and text.

Example	Time	Cost
1	12.5	\$1,000
2	24	\$2,000

FOOTNOTES¹

Footnotes are referenced with superscript numerals and are numbered consecutively from 1 to the end of the paper². Footnotes should appear at the bottom of the column in which they are referenced.

CITING REFERENCES

The ASME reference format is defined in the authors kit provided by the ASME. The format is:

Text Citation. Within the text, references should be cited in numerical order according to their order of appearance. The numbered reference citation should be enclosed in brackets.

The references must appear in the paper in the order that they were cited. In addition, multiple citations (3 or more in the same brackets) must appear as a “[1-3]”. A complete definition of the ASME reference format can be found in the ASME manual [?].

The bibliography style required by the ASME is unsorted with entries appearing in the order in which the citations appear. If that were the only specification, the standard BIB_{TEX} unsorted bibliography style could be used. Unfortunately, the bibliography style required by the ASME has additional requirements (last name followed by first name, periodical volume in boldface, periodical number inside parentheses, etc.) that are not part of the unsorted style. Therefore, to get ASME bibliography formatting, you must use the `asmems4.bst` bibliography style file with BIB_{TEX}. This file is not part of the standard Bib_{TEX} distribution so you’ll need to place the file someplace where LaTeX can find it (one possibility is in the same location as the file being typeset).

With L_AT_EX/BIB_{TEX}, L_AT_EX uses the citation format set by the class file and writes the citation information into the `.aux` file associated with the L_AT_EX source. BIB_{TEX} reads the `.aux` file and matches the citations to the entries in the bibliographic data base file specified in the L_AT_EX source file by the `\bibliography` command. BIB_{TEX} then writes the bibliography in accordance with the rules in the bibliography `.bst` style file to a `.bbl` file which L_AT_EX merges with the source text. A good description of the use of BIB_{TEX} can be found in [?, ?] (see how 2 references are handled?). The following is an example of how three or more references [?, ?, ?] show up using the `asmems4.bst` bibliography style file in conjunction with the `asme2e.cls` class file. Here are some more [?, ?, ?, ?, ?, ?, ?, ?, ?] which can be used to describe almost any sort of reference.

ACKNOWLEDGMENT

Thanks go to D. E. Knuth and L. Lamport for developing the wonderful word processing software packages T_EX and L_AT_EX. I also would like to thank Ken Sprott, Kirk van Katwyk, and Matt Campbell for fixing bugs in the ASME style file `asme2e.cls`, and Geoff Shiflett for creating ASME bibliography style file `asmems4.bst`.

Appendix A: Head of First Appendix

Avoid Appendices if possible.

Appendix B: Head of Second Appendix Subsection head in appendix

The equation counter is not reset in an appendix and the numbers will follow one continual sequence from the beginning of the article to the very end as shown in the following example.

$$a = b + c. \quad (2)$$

¹Examine the input file, `asme2e.tex`, to see how a footnote is given in a head.

²Avoid footnotes if at all possible.