CSDI paper

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ABSTRACT

This article illustrates preparation of the final version of an ASME journal paper submitted for publication using LaTeX2ε. For the convenience of proofreading and editing, the final version shall be formatted in a single column. This article is formatted based on the contents in the article entitled "An ASME Journal Article Created Using LaTeX2ε in ASME Format for Testing Your Figures," which is a template for preparation of ASME papers submitted for review. An abstract for an ASME paper should be less than 150 words and is normally in italics. Notice that this abstract is to be set in 9pt Times Italic, single spaced and right justified. Please use this template to test how your figures will look on the printed journal page of the Journal of Mechanical Design. The Journal will no longer publish papers that contain errors in figure resolution. These usually consist of unreadable or fuzzy text, and pixilation or rasterization of lines. This template identifies the specifications used by JMD some of which may not be easily duplicated; for example, ASME actually uses Helvetica Condensed Bold, but this is not generally available so for the purpose of this exercise Helvetica is adequate. However, reproduction of the journal page is not the goal, instead this exercise is to verify the quality of your figures.

Nomenclature

A   You may include nomenclature here.
α There are two arguments for each entry of the nomemclature environment, the symbol and the definition.

The primary text heading is boldface and flushed left with the left margin. The spacing between the text and the heading is two line spaces.

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[*]Address all correspondence related to ASME style format and figures to this author.
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1 Introduction

This article illustrates preparation of ASME paper using LaTeX2ε. The LaTeX macro asme2ej.cls, the BibTeX style file asmems4.bst, and the template asme2ej.tex that create this article are available on the WWW at the URL address http://iel.ucdavis.edu/code/. To ensure compliance with the 2003 ASME MS4 style guidelines [?], you should modify neither the LaTeX macro asme2ej.cls nor the BibTeX style file asmems4.bst. By comparing the output generated by typesetting this file and the LaTeX2ε source file, you should find everything you need to help you through the preparation of ASME paper using LaTeX2ε. Details on using LaTeX can be found in [?].

In order to get started in generating a two-column version of your paper, please format the document with 0.75in top margin, 1.5in bottom margin and 0.825in left and right margins. Break the text into two sections one for the title heading, and another for the body of the paper.

The format of the heading is not critical, on the other hand formatting of the body of the text is the primary goal of this exercise. This will allow you to see that the figures are matched to the column width and font size of the paper. The double column of the heading section is set to 1.85in for the first column, a 0.5in spacing, and 4.5in for the second column. For the body of the paper, set it to 3.34in for both columns with 0.17in spacing, both are right justified.

The information that is the focus of this exercise is found in section ??. Please use this template to format your paper in a way that is similar to the printed form of the Journal of Mechanical Design. This will allow you to verify that the size and resolution of your figures match the page layout of the journal. The ASME Journal of Mechanical Design will no longer publish papers that have the errors demonstrated here.

ASME simply requires that the font should be the appropriate size and not be blurred or pixilated, and that lines should be the appropriate weight and have minimal, preferably no, pixilation or rasterization.

The journal uses 10pt Times Roman Bold for headings, but Times Bold is good enough for this effort. The text is set at 9pt Times Roman, and again Times will be fine. Insert a new line after the heading, and two lines after each section. This is not exactly right but it is close enough.