Audio Engineering Society

Convention Paper

The Title of this Paper is not "The Title of this Paper"

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ABSTRACT

An informative and self-contained abstract of about 120 words must be provided. An informative and self-contained abstract of about 120 words must be provided. An informative and self-contained abstract of about 120 words must be provided. An informative and self-contained abstract of about 120 words must be provided. An informative and self-contained abstract of about 120 words must be provided.

1. MAJOR HEADING

This LaTeX file, which should be compatible with any PC, Unix, or Macintosh-based LaTeX system, is intended to present a consistent style so that all authors use the same front-page header, two-column format, and headers and footers. It should be possible simply to replace this text with your prepared text.

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Major headings (see above) are in capital letters (upper case), Helvetica font, 10 point size, bold style,

left justified. All headings are preceded by a blank line. Body text, like this, is Times Roman font, 10 point size, plain style. It should be fully justified to be flush left and flush right.

1.1. Minor Heading

Minor headings use both upper-case and lower-case letters and, like the major headings, Helvetica font, 10 point size, bold style, left justified.

1.1.1. Example

This is an example subsubsection set using the `\subsubsection` command.

2. CONTENT

To ensure that convention papers are consistent with the goals of the AES, the following guidelines shall be considered by authors.

Technical content shall be accurate. It should cite original work or review previous work giving proper credit.

If the paper describes a product, the content should dwell on the technical aspects of the equipment (circuitry, layout, specifications, functions, and applications).

Company logos shall not be used. Manufacturers name and model names or numbers shall not be used in titles and abstracts, and should be kept to a minimum in the text (generic descriptions should be used).

The trademark symbol ^{TM} is not permitted. Trademarked names in titles and abstracts should be replaced by generic descriptions where possible. If trademarked names are retained in titles and abstracts, they will not be acknowledged as such. The first time a trademarked name appears in the body text, it may be footnoted. The footnote will state that it is registered, and the name of the owner.

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4. WRITING STYLE

Good grammar should be used and writing should be easy to understand. Superlatives should be omitted. Words and phrases shall not be abbreviated in titles, abstracts, nor the first time they appear in the text.

Metric units according to the System of International Units (SI) should be used. Following are some frequently used SI units and their symbols, some non-SI units that may be used with SI units ($\triangle$), and some non-SI units that are deprecated ($\square$).

Unit Name	Unit Symbol
ampere	A
bit or bits	spell out
bytes	spell out
decibel	dB
degree (plane angle) ($\triangle$)	°
farad	F
gauss ($\square$)	Gs
gram	g
henry	H
hertz	Hz
hour ($\triangle$)	h
inch ($\square$)	in
joule	J
kelvin	K
kilohertz	kHz
kilohm	kΩ
liter ($\triangle$)	l, L
megahertz	MHz
meter	m
microfarad	μF
micrometer	μm
microsecond	μs
milliampere	mA
millihenry	mH
millimeter	mm
millivolt	mV
minute (time) ($\triangle$)	min
minute (plane angle) ($\triangle$)	'
nanosecond	ns
oersted ($\square$)	Oe
ohm	Ω
pascal	Pa
picofarad	pF
second (time)	s
second (plane angle) ($\triangle$)	"
siemens	S
tesla	T
volt	V
watt	W
weber	Wb

234093241	23402312	3432829807434
2398234	423403290	123144298
2340243012597398	1245987533	24982499

Table 1: This is a two-column table.

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Figures, diagrams, and charts must be dark enough to reproduce in black only. If you are using color in a graph or chart to designate meaning, make sure that the meaning is not lost when your paper is printed on a B&W printer. Do this by using redundant text to identify color lines. Minimum line width is 1/2 point. Figures should fit into either one (see Fig. 1) or two columns.

Figures, tables, and illustrations should be placed consecutively in the text, as close as possible to their reference in the text. Figures must be normally oriented on the page and not turned sideways. All drawings and figures must be numbered (Fig. 1 etc.) and captioned.

Figure labels must be legible, at least 7 point size, using Helvetica font for preference. Filled areas should use screens of dots or cross-hatching rather than grey fills.

Fig. 1: This is a one-column figure.

Photographs and graphic images should be saved as low-resolution (72 dpi) files and embedded in the text following the same guidelines as those outlined above for figures and tables.

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Long equations are more readable when compressed into a single column in a larger text size:

$$X \;=\; a+b+c+d+e+f+g+h+i+j \\ +k+l+m+\ldots z$$

Equations that cannot be conveniently compressed into a single column can be extended across the entire page. It is best to put such long equations at the top or the bottom of the page so as not to interfere with the rest of the two-column text on the page.

$$x = y \tag{1}$$

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Be certain that when creating the PostScript or PDF file from your LaTeX files that you have the PostScript Type 1 fonts installed in your TeX system. If you do not and are instead using the bitmapped versions of the TeX fonts, then your resulting PostScript/PDF file will look very bad when printed or viewed on-line. To get the free TeX Type 1 fonts, go to http://www.ams.org/tex/type1-fonts.html. For instruction on how to install these fonts for your TeX system, contact your system administrator or TeX vendor.

Fig. 2: It is best to place to place two-column figures at the bottom or top of a page.

10. REFERENCES

[1] Author, "Title," presented at the AES 114th convention, Amsterdam, The Netherlands, 2003 March 22–25.