
Formatting Instructions For NeurIPS 2022 Workshop on Machine Learning for Autonomous Driving

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Abstract

1 The abstract paragraph should be indented 1/2 inch (3 picas) on both the left- and
2 right-hand margins. Use 10 point type, with a vertical spacing (leading) of 11 points.
3 The word **Abstract** must be centered, bold, and in point size 12. Two line spaces
4 precede the abstract. The abstract must be limited to one paragraph.

5 **1 Submission of papers to ML4AD 2022**

6 NeurIPS requires electronic submissions. The electronic submission site is

7 <https://cmt3.research.microsoft.com/ML4AD2022>

8 **1.1 Style**

9 Papers to be submitted to ML4AD 2022 should be prepared according to the instructions presented
10 here. Papers may be **four** or **eight** or **nine** pages long, including figures. Additional pages
11 containing acknowledgments, references and appendix are allowed.

12 The margins in 2022 are the same as those in 2007, which allow for ~15% more words in the paper
13 compared to earlier years.

14 Authors are required to use the ML4AD L^AT_EX style files obtainable at the ML4AD website as
15 indicated below. Please make sure you use the current files and not previous versions. Tweaking the
16 style files may be grounds for rejection.

17 **1.2 Retrieval of style files**

18 The style files for ML4AD and other conference information are available at

19 <https://ml4ad.github.io/#submit>

20 The file `neurips_2022_ml4ad.pdf` contains these instructions and illustrates the various formatting
21 requirements your NeurIPS paper must satisfy.

22 The only supported style file for ML4AD 2022 is `neurips_2022_ml4ad.sty`, rewritten for L^AT_EX 2_ε.
23 **Previous style files for L^AT_EX 2.09, Microsoft Word, and RTF are no longer supported!**

24 The L^AT_EX style file contains three optional arguments: `final`, which creates a camera-ready copy,
25 `preprint`, which creates a preprint for submission to, e.g., arXiv, and `nonatbib`, which will not
26 load the `natbib` package for you in case of package clash.

27 **Preprint option** If you wish to post a preprint of your work online, e.g., on arXiv, you can use the
28 preprint option. This will create a nonanonymized version of your work with the text “Preprint.
29 Work in progress.” in the footer. This version may be distributed as you see fit.

30 At submission time, please omit the final and preprint options. This will anonymize your
31 submission and add line numbers to aid review. Please do *not* refer to these line numbers in your
32 paper as they will be removed during generation of camera-ready copies.

33 The file `neurips_2022_m14ad.tex` may be used as a “shell” for writing your paper. All you have
34 to do is replace the author, title, abstract, and text of the paper with your own.

35 The formatting instructions contained in these style files are summarized in Sections 2, 3, and 4
36 below.

37 **2 General formatting instructions**

38 The text must be confined within a rectangle 5.5 inches (33 picas) wide and 9 inches (54 picas) long.
39 The left margin is 1.5 inch (9 picas). Use 10 point type with a vertical spacing (leading) of 11 points.
40 Times New Roman is the preferred typeface throughout, and will be selected for you by default.
41 Paragraphs are separated by $\frac{1}{2}$ line space (5.5 points), with no indentation.

42 The paper title should be 17 point, initial caps/lower case, bold, centered between two horizontal
43 rules. The top rule should be 4 points thick and the bottom rule should be 1 point thick. Allow $\frac{1}{4}$ inch
44 space above and below the title to rules. All pages should start at 1 inch (6 picas) from the top of the
45 page.

46 For the final version, authors’ names are set in boldface, and each name is centered above the
47 corresponding address. The lead author’s name is to be listed first (left-most), and the co-authors’
48 names (if different address) are set to follow. If there is only one co-author, list both author and
49 co-author side by side.

50 Please pay special attention to the instructions in Section 4 regarding figures, tables, acknowledgments,
51 and references.

52 **3 Headings: first level**

53 All headings should be lower case (except for first word and proper nouns), flush left, and bold.

54 First-level headings should be in 12-point type.

55 **3.1 Headings: second level**

56 Second-level headings should be in 10-point type.

57 **3.1.1 Headings: third level**

58 Third-level headings should be in 10-point type.

59 **Paragraphs** There is also a `\paragraph` command available, which sets the heading in bold, flush
60 left, and inline with the text, with the heading followed by 1 em of space.

61 **4 Citations, figures, tables, references**

62 These instructions apply to everyone.

63 **4.1 Citations within the text**

64 The `natbib` package will be loaded for you by default. Citations may be author/year or numeric, as
65 long as you maintain internal consistency. As to the format of the references themselves, any style is
66 acceptable as long as it is used consistently.

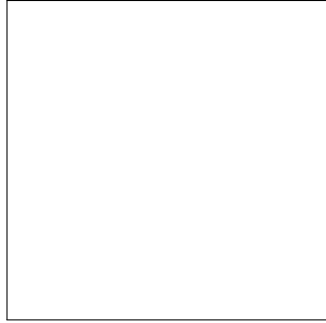


Figure 1: Sample figure caption.

67 The documentation for natbib may be found at

68 <http://mirrors.ctan.org/macros/latex/contrib/natbib/natnotes.pdf>

69 Of note is the command `\citet`, which produces citations appropriate for use in inline text. For
70 example,

71 `\citet{hasselmo}` investigated\dots

72 produces

73 Hasselmo, et al. (1995) investigated...

74 If you wish to load the natbib package with options, you may add the following before loading the
75 `neurips_2022_ml4ad` package:

76 `\PassOptionsToPackage{options}{natbib}`

77 If `natbib` clashes with another package you load, you can add the optional argument `nonatbib`
78 when loading the style file:

79 `\usepackage[nonatbib]{neurips_2022_ml4ad}`

80 As submission is double blind, refer to your own published work in the third person. That is, use “In
81 the previous work of Jones et al. [4],” not “In our previous work [4].” If you cite your other papers
82 that are not widely available (e.g., a journal paper under review), use anonymous author names in the
83 citation, e.g., an author of the form “A. Anonymous.”

84 4.2 Footnotes

85 Footnotes should be used sparingly. If you do require a footnote, indicate footnotes with a number¹
86 in the text. Place the footnotes at the bottom of the page on which they appear. Precede the footnote
87 with a horizontal rule of 2 inches (12 picas).

88 4.3 Figures

89 All artwork must be neat, clean, and legible. Lines should be dark enough for purposes of reproduction.
90 The figure number and caption always appear after the figure. Place one line space before the figure
91 caption and one line space after the figure. The figure caption should be lower case (except for first
92 word and proper nouns); figures are numbered consecutively.

93 You may use color figures. However, it is best for the figure captions and the paper body to be legible
94 if the paper is printed in either black/white or in color.

¹Sample of the first footnote.

Table 1: Sample table title

Part		
Name	Description	Size (μm)
Dendrite	Input terminal	~ 100
Axon	Output terminal	~ 10
Soma	Cell body	up to 10^6

95 **4.4 Tables**

96 All tables must be centered, neat, clean and legible. The table number and title always appear before
97 the table. See Table 1.

98 Place one line space before the table title, one line space after the table title, and one line space after
99 the table. The table title must be lower case (except for first word and proper nouns); tables are
100 numbered consecutively.

101 Note that publication-quality tables *do not contain vertical rules*. We strongly suggest the use of the
102 `booktabs` package, which allows for typesetting high-quality, professional tables:

103 `https://www.ctan.org/pkg/booktabs`

104 This package was used to typeset Table 1.

105 **5 Final instructions**

106 Do not change any aspects of the formatting parameters in the style files. In particular, do not modify
107 the width or length of the rectangle the text should fit into, and do not change font sizes (except
108 perhaps in the **References** section; see below). Please note that pages should be numbered.

109 **6 Preparing PDF files**

110 Please prepare submission files with paper size “US Letter,” and not, for example, “A4.”

111 Fonts were the main cause of problems in the past years. Your PDF file must only contain Type 1 or
112 Embedded TrueType fonts. Here are a few instructions to achieve this.

- 113 • You should directly generate PDF files using `pdflatex`.
- 114 • You can check which fonts a PDF files uses. In Acrobat Reader, select the menu
115 Files>Document Properties>Fonts and select Show All Fonts. You can also use the program
116 `pdffonts` which comes with `xpdf` and is available out-of-the-box on most Linux machines.
- 117 • The IEEE has recommendations for generating PDF files whose fonts are also ac-
118 ceptable for NeurIPS. Please see [http://www.emfield.org/icuwb2010/downloads/](http://www.emfield.org/icuwb2010/downloads/IEEE-PDF-SpecV32.pdf)
119 `IEEE-PDF-SpecV32.pdf`
- 120 • `xfig` "patterned" shapes are implemented with bitmap fonts. Use "solid" shapes instead.
- 121 • The `\bbold` package almost always uses bitmap fonts. You should use the equivalent AMS
122 Fonts:

123 `\usepackage{amsfonts}`

124 followed by, e.g., `\mathbb{R}`, `\mathbb{N}`, or `\mathbb{C}` for \mathbb{R} , \mathbb{N} or \mathbb{C} . You can also
125 use the following workaround for reals, natural and complex:

```
126 \newcommand{\RR}{I\!\!R} %real numbers
127 \newcommand{\Nat}{I\!\!N} %natural numbers
128 \newcommand{\CC}{I\!\!\!C} %complex numbers
```

129 Note that `amsfonts` is automatically loaded by the `amssymb` package.

130 If your file contains type 3 fonts or non embedded TrueType fonts, we will ask you to fix it.

131 **6.1 Margins in L^AT_EX**

132 Most of the margin problems come from figures positioned by hand using `\special` or other
133 commands. We suggest using the command `\includegraphics` from the `graphicx` package.
134 Always specify the figure width as a multiple of the line width as in the example below:

```
135 \usepackage[pdftex]{graphicx} ...  
136 \includegraphics[width=0.8\linewidth]{myfile.pdf}
```

137 See Section 4.4 in the graphics bundle documentation ([http://mirrors.ctan.org/macros/](http://mirrors.ctan.org/macros/latex/required/graphics/grfguide.pdf)
138 [latex/required/graphics/grfguide.pdf](http://mirrors.ctan.org/macros/latex/required/graphics/grfguide.pdf))

139 A number of width problems arise when L^AT_EX cannot properly hyphenate a line. Please give LaTeX
140 hyphenation hints using the `\-` command when necessary.

141 **References**

142 References follow the acknowledgments. Use unnumbered first-level heading for the references. Any
143 choice of citation style is acceptable as long as you are consistent. It is permissible to reduce the font
144 size to `small` (9 point) when listing the references. Note that the Reference section does not count
145 towards the page limit.

146 [1] Alexander, J.A. & Mozer, M.C. (1995) Template-based algorithms for connectionist rule extraction. In
147 G. Tesauro, D.S. Touretzky and T.K. Leen (eds.), *Advances in Neural Information Processing Systems 7*, pp.
148 609–616. Cambridge, MA: MIT Press.

149 [2] Bower, J.M. & Beeman, D. (1995) *The Book of GENESIS: Exploring Realistic Neural Models with the*
150 *GENeral NEural Simulation System*. New York: TELOS/Springer-Verlag.

151 [3] Hasselmo, M.E., Schnell, E. & Barkai, E. (1995) Dynamics of learning and recall at excitatory recurrent
152 synapses and cholinergic modulation in rat hippocampal region CA3. *Journal of Neuroscience* **15**(7):5249-5262.

153 **A Appendix**

154 Optionally include extra information (complete proofs, additional experiments and plots) in the
155 appendix. This main paper and appendix should be submitted as a single document. There is no page
156 limit for references or appendix.