

Elsevier L^AT_EX template^{*}

Elsevier¹

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Abstract

This template helps you to create a properly formatted L^AT_EX manuscript.

Keywords: `elsarticle.cls`, L^AT_EX, Elsevier, template

2010 MSC: 00-01, 99-00

1. Introduction

Artificial neural works which heavily inspired by biology and psychology have been widely used to solve various practical engineering problems in such areas as pattern recognition, nonlinear regression, data mining, clustering and
5 prediction. The design of neural network consists of three basic parts, neural network architecture, learning rules, and training techniques.

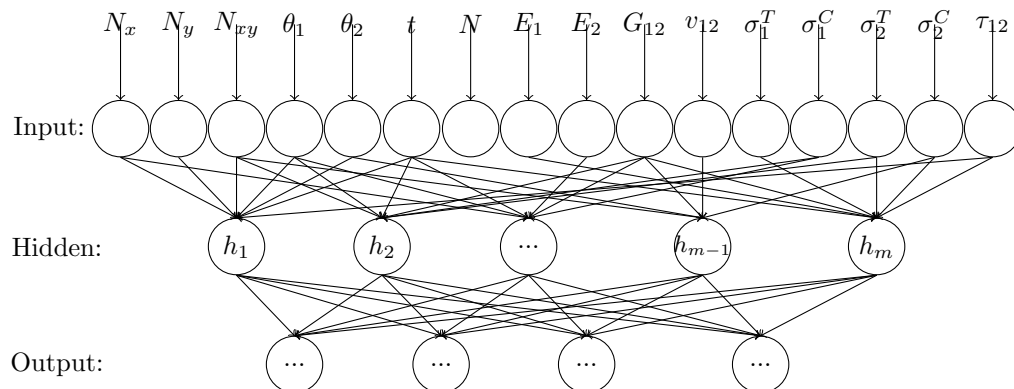
^{*}Fully documented templates are available in the elsarticle package on CTAN.

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¹Since 1880.



10 2. The Elsevier article class

Installation. If the document class *elsarticle* is not available on your computer, you can download and install the system package *texlive-publishers* (Linux) or install the L^AT_EX package *elsarticle* using the package manager of your T_EX installation, which is typically T_EX Live or MikT_EX.

15 *Usage.* Once the package is properly installed, you can use the document class *elsarticle* to create a manuscript. Please make sure that your manuscript follows the guidelines in the Guide for Authors of the relevant journal. It is not necessary to typeset your manuscript in exactly the same way as an article, unless you are submitting to a camera-ready copy (CRC) journal.

20 *Functionality.* The Elsevier article class is based on the standard article class and supports almost all of the functionality of that class. In addition, it features commands and options to format the

- document style
- baselineskip
- front matter

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- keywords and MSC codes
- theorems, definitions and proofs
- labels of enumerations
- citation style and labeling.

30 **3. Front matter**

The author names and affiliations could be formatted in two ways:

- (1) Group the authors per affiliation.
- (2) Use footnotes to indicate the affiliations.

See the front matter of this document for examples. You are recommended to
35 conform your choice to the journal you are submitting to.

4. Bibliography styles

There are various bibliography styles available. You can select the style of
your choice in the preamble of this document. These styles are Elsevier styles
based on standard styles like Harvard and Vancouver. Please use BibTeX to
40 generate your bibliography and include DOIs whenever available.

Here are two sample references: [1, 2].

References

References

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45 acting with a linear dissipative system, Annals of Physics 24 (1963) 118–173.
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