A demonstration of the achemso LaTeX class

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Abstract

This is an example document for the achemso document class, intended for submissions to the American Chemical Society for publication. The class is based on the standard LaTeX 2ε report file, and does not seek to reproduce the appearance of a published paper.

This is an abstract for the achemso document class demonstration document. An abstract is only allowed for certain manuscript types. The selection of `journal` and `type` will determine if an abstract is valid. If not, the class will issue an appropriate error.

Introduction

This is a paragraph of text to fill the introduction of the demonstration file. The demonstration file attempts to show the modifications of the standard LaTeX macros that are implemented by the achemso class. These are mainly concerned with content, as opposed to appearance.

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Results and discussion

Outline

The document layout should follow the style of the journal concerned. Where appropriate, sections and subsections should be added in the normal way. If the class options are set correctly, warnings will be given if these should not be present.

Floats

New float types are automatically set up by the class file. The means graphics are included as follows (**??**). As illustrated, the float is "here" if possible.

Your scheme graphic would go here: `.eps` format
for LaTeX or `.pdf` (or `.png`) for pdfLaTeX
ChemDraw files are best saved as `.eps` files;
these can be scaled without loss of quality, and can be
converted to `.pdf` files easily using `eps2pdf`.

Scheme 1: An example scheme

Math(s)

test test test The achemso class does not load any particular additional support for mathematics. If the author *needs* things like amsmath, they should be loaded in the preamble. However, the basics should work fine. Some inline material $y = mx + c$ blah

Experimental

The usual experimental details should appear here. This could include a table, which can be referenced as **??**. Notice that the caption is positioned at the top of the table. Do not worry about the appearance of the table: this will be altered during production.

Table 1: An example table

Header one	Header two
Entry one	Entry two
Entry three	Entry four
Entry five	Entry five
Entry seven	Entry eight

The example file also loads the mhchem package, so that formulas are easy to input: `\{H2SO4}` gives H_2SO_4. See the use in the bibliography file (when using titles in the references section).

The use of new commands should be limited to simple things which will not interfere with the production process. For example, `\mycommand` has been defined in this example, to give italic, monospaced text: *`some text`*.

Acknowledgement

Thanks to Mats Dahlgren for version one of achemso, and Donald Arseneau for the code taken from cite to move citations after punctuation.

Supporting Information Available

The entire achemso bundle is generated by running `achemso.dtx` through TEX. Running LATEX on the same file will generate the general documentation for both the class and package files.

This material is available free of charge via the Internet at `http://pubs.acs.org/`.