The engsymbols package*

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1 Introduction

This document describes the engsymbols package, a collection of macros to facilitate the writing of common engineering symbols.

The following packages are prerequisites:

siunitx

This package follows the conventions specified by ISO standards of typesetting mathematics [1].

2 Implementation

2.1 Basic operations

This macro by [1] typesets the argument in math roman font, to indicate a object. Italic subscripts should be used only to refer to another variables, for example, c_P is the specific heat obtained by mantaining the pressure, a physical parameter, fixes. By contrast, h_L is the liquid enthalpy; liquid is not a variable. The command \ap does the same to superscripts, like T^I for the interface temperature.

- 1 \newcommand{\ped}[1]{\ensuremath{_{\mathrm{#1}}}}

2.2 Special individual symbols

volume

This macro produces a calligraphic V to indicate volume, as V. This is usually done to avoid confusion with velocity.

3 \newcommand{\volume}{\mathcal{V}}

^{*}This document corresponds to engsymbols v0.1, dated 2014/12/02.

diffd This macro produces the differential doperator, as in dx. The definition is fairly complex beacuse it tries to do an optimal spacing, as described by [1].

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 20
                                                                                                                                                 \fi\fi\DiffSpace}
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References

[1] Claudio Beccari. Type setting mathematics for science and technology according to iso $31/{\rm xi}.~TUGboat,$ 18(1):39–48, 1997.