

IUPAC Green Book—New Abridged Version

Quantities, Units and Symbols in Physical Chemistry:

4th Edition, Abridged Version

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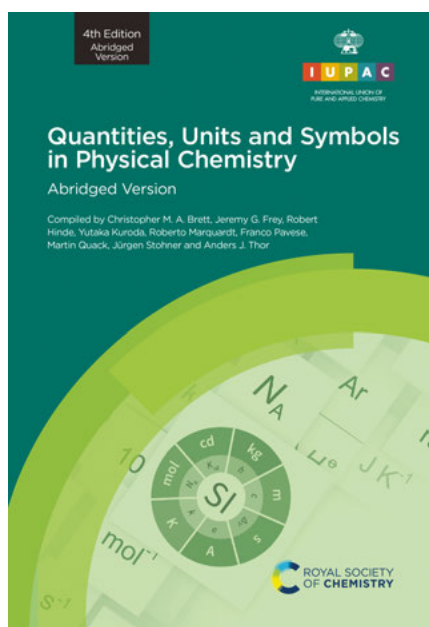
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The first IUPAC Manual of Symbols and Terminology for Physicochemical Quantities and Units was published in 1969 with the objective of “securing clarity and precision, and wider agreement in the use of symbols, by chemists in different countries, among physicists, chemists and engineers, and by editors of scientific journals.” Subsequent revisions have taken account of many developments in the field and were also substantially expanded and improved in presentation in several new editions of what is now widely known as the “Green Book of IUPAC.” This abridged version of the forthcoming 4th edition reflects the experience of the contributors and users of the previous editions. The book has been systematically brought up to date and provides a compilation of generally used terms and symbols with brief, understandable definitions and explanations. Tables of important fundamental constants and conversion factors are included.

In this abridged guide, the more specialized and complex material has been omitted; retaining, however, the essence of the Green Book. It is particularly intended to be suitable for students and teachers but it should also be useful for scientists, science publishers, and organizations working across a multitude of disciplines requiring internationally approved terminology in the area of physical chemistry. It now includes the most up to date definitions and constants in agreement with the “new SI” as established by agreement on the International System of Units in Paris in 2019. It should find the widest possible acceptance and use for best practice in science and technology.

See originating project 2007-032-1-100 or

<https://iupac.org/what-we-do/books/greenbook/>

IUPAC Blue Book—Updated release

When the so-called IUPAC Blue Book “**Nomenclature of Organic Chemistry** (IUPAC Recommendations and Preferred IUPAC Names 2013)” was last published in 2014, it greatly expanded the coverage of the previous edition (1979) and included for the first time recommendations for a preferred IUPAC name (PIN) for those needing a consistent name. Still and for use in general nomenclature, alternative unambiguous names were included.

That edition of the Blue Book was prepared over many years and inevitably was not totally consistent. Since its publication, corrections, changes, and modifications have been listed on the following webpage: <https://iupac.qmul.ac.uk/bibliog/BBerrors.html>. A html version of the whole book including all corrections, changes and modifications has been prepared; it also includes a PDF of each chapter and a combined PDF of the whole book. A first revision was released on 1 April 2022.

A new version—version 3—includes many small corrections and improved wording of the text that have been recognised since the last revision of the pdf of the book. The two most significant changes are an expansion of P-16.5.4 on the use of brackets and of the definition of a cyclophane in P-52.2.5.1. The latest revision was released on 6 Dec 2023 (as BlueBookV3.pdf) and is available at <https://iupac.qmul.ac.uk/BlueBook/PDF/>

The web version has been prepared and is maintained by G. P. Moss, School of Physical and Chemical Sciences, Queen Mary University of London, UK. Please return questions to g.p.moss@qmul.ac.uk

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