

*О комиссии SUNAMCO
Международного союза чистой и прикладной
физики IUPAP*

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International Union of Pure and Applied Physics

To stimulate and facilitate international cooperation in physics and the worldwide development of science.

C2 Commission on Symbols, Units, Nomenclature, Atomic Masses and Fundamental Constants

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CODATA recommended values of the fundamental physical constants: 2006*

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This paper gives the 2006 self-consistent set of values of the basic constants and conversion factors of physics and chemistry recommended by the Committee on Data for Science and Technology (CODATA) for international use. Further, it describes in detail the adjustment of the values of the constants, including the selection of the final set of input data based on the results of least-squares analyses. The 2006 adjustment takes into account the data considered in the 2002 adjustment as well as the data that became available between 31 December 2002, the closing date of that adjustment, and 31 December 2006, the closing date of the new adjustment. The new data have led to a significant reduction in the uncertainties of many recommended values. The 2006 set replaces the previously recommended 2002 CODATA set and may also be found on the World Wide Web at physics.nist.gov/constants.

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Цели:

Комиссия поддерживает и развивает обмен информацией и взглядами между членами международного сообщества в областях общих физических измерений, чистой и прикладной метрологии, номенклатуре и символах физических величин и единиц измерений.

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Конференции:

The Conference on Precision Electromagnetic Measurements.
CPEM-96, CPEM-98, CPEM-2008

The Conference on Exotic Nuclei And Atomic Masses
ENAM-98, ENAM-2001, ENAM-2004, ENAM'08

The Conference on Precision Measurement and Fundamental
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