Australian Standard®

INTERNATIONAL ELECTROTECHNICAL VOCABULARY

Chapter 521—SEMICONDUCTOR DEVICES AND INTEGRATED CIRCUITS

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Australian Electrical and Electronic Manufacturers Association

Confederation of Australian Industry

Department of Administrative Services—Construction Group (Commonwealth)

Department of Defence

Department of Technical and Further Education, N.S.W., Victoria and South Australia

Department of Transport and Communications (Commonwealth)

Electricity Supply Association of Australia

Institute of Draftsmen, Australia

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PREFACE

This Standard was prepared by the Association's Committee on Symbols, Units and Quantities for Electrotechnology, under the authority of both the Telecommunications and Electronics Standards Board and the Electrical Standards Board. This Standard supersedes in part, AS 1852(07)—1970, *International Electrotechnical Vocabulary, Electronics*, which was withdrawn in March 1987.

This Standard is identical with and has been reproduced from IEC 50(521)—1984. Acknowledgement is accordingly made to the International Electrotechnical Commission for this assistance.

This Standard is one of the AS 1852 series of Standards. In the past, this series has consisted of direct endorsements of the IEC 50 series of the International Electrotechnical Vocabulary. In future, newly issued parts of IEC 50, where appropriate, will be issued as Australian Standards, i.e. not endorsements. The full text of the definitions in English, French and Russian has been included as some definitions are considered to be incomplete when produced in one language.

The purpose of the AS 1852 series is to provide a glossary of terms used in electrical engineering. The series lists terms in English, French and Russian, and in some cases Spanish. It is intended that other Australian Standards will refer to AS 1852 and not repeat any definitions.

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521-01-01

système non quantifié (de particules)

Système de particules dont on suppose que les énergies sont susceptibles de varier de manière continue. Le nombre des états microscopiques, défini par les positions et les vitesses des particules à un instant donné, est alors non limité.

non-quantized system (of particles)

A system of particles whose energies are assumed to be capable of varying in a continuous manner and in which the number of microscopic states defined by the positions and velocities of the particles at a given instant is therefore unlimited.

неквантованная система (частиц)

Система частиц, энергия которых предположительно способна изменяться непрерывно, а число микроскопических состояний, определяемое местоположениями и скоростями частиц, в данный момент бесконечно.

521-01-02

système quantifié (de particules)

Système de particules dont les énergies ne peuvent prendre que des valeurs discrètes.

quantized system (of particles)

A system of particles the energies of which can have discrete values only.

квантованная система (частиц)

Система частиц, энергия которых имеет только дискретные значения.

521-01-03

statistique de Maxwell-Boltzmann

Ensemble de probabilités des états macroscopiques d'un système non quantifié de particules déterminé par les valeurs moyennes des coordonnées de position, des vitesses ou de l'énergie, dans un volume très petit, mais non nul du système.

Maxwell-Boltzmann statistics

The probability distribution of the macroscopic states of a non-quantized system of particles, defined by the average values of the position, velocity or energy co-ordinates, in a very small, but finite, volume of the system.

статистика Максвелла-Больцмана

Совокупность вероятности макроскопических состояний системы неквантовых частиц, определяемых координатами средних значений, месторасположения, скорости или энергии в очень малом, но конечном объеме системы.