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NATIONAL STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

GB/T 2900.93-2015

Electrotechnical terminology -- Physics for electrotechnology

电工术语 电物理学

(English Translation)

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Foreword

GB/T 2900 "Electrotechnical term" multi-part.

This section GB/T 2900 Part 93.

This section drafted in accordance with GB/T 1.1-2009 given rules.

This section uses the translation method identical with IEC 60050-113:2011 "International Electrotechnical Vocabulary electrical physics." the term item number in this section and IEC 60050-113:2011 consistent.

This part of the National Electrotechnical Terminology Standardization Technical Committee (SAC/TC232) and focal points.

This section is drafted. the machine Productivity Promotion Center, Tsinghua University.

1 Scope

This section GB/T 2900 specifies the general term electrical physics. Including space and time, the general concept of macro, power, heat Science, particle physics and other aspects of the terms and definitions.

This section applies to the relevant aspects related to fundamental physics of electricity.

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2.1 Space and time

113-01-01

When [between] - space [between] space-time Having a four-dimensional mathematical space nature, conceptual model for the description of all things natural existence.

113-01-02

Space space

Time - Space dimensional subspace, which is the length of three rectangular coordinates, can be considered as local Archimedes space.

113-01-03

Time time

Time - a one-dimensional subspace of the space, and the local orthogonal space.

113-01-04

Event event

Time - time subspace happened in the space.

NOTE: Pure physics is the time that the instantaneous event - a point in space.

113-01-05

Transient [the] instantaneous, adj Used to describe the event that there is no extension in time.

113-01-06

Process

Time series of interrelated events.

Note: This definition expresses the concept of time-related process. IEC 60050-351 is also given to define a function related.

113-01-07

When [between] axis timeaxis the only mathematical representation of the instantaneous axis sequence of events to make thereon.

NOTE: According to special relativity, the timeline depends on the choice of spatial reference system.

113-01-08

Time instant

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Point on the timeline.

NOTE: transient event occurs at a particular moment.

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