JIS

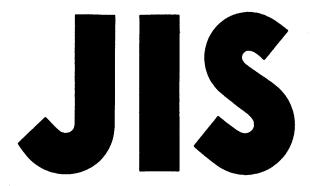## JAPANESE INDUSTRIAL STANDARD

Representation of Numerical Values in Character Strings for Information Interchange

JIS X 0210–1986

Translated and Published

by

Japanese Standards Association

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In the event of any doubt arising,
the original Standard in Japanese is to be final authority.

JAPANESE INDUSTRIAL STANDARD   J I S

Representation of Numerical Values in Character
Strings for Information Interchange   X 0210-1986

1. Scope

This Japanese Industrial Standard specifies three presentations of numerical values, which are represented in character strings in a form reasonable by machine, for use in interchange between data processing systems.

This Japanese Industrial Standard applies only to numerical values consisting of a finite number of digits with or without the decimal mark.

This standard does not specify the mechanism to communicate the accuracy of the number being represented or the method of delimiting the numerical representations or the organization of the numerical representations into larger aggregates.

This standard also provides guidance for developers of programming language standards and implementors of programming products. These representations are recognizable by humans, and thus may be useful in communication between humans.

2. Conformance

A representation of a numerical value is in conformance with this standard if it is one of the three representations specified herein.

A conformance statement shall identify the representation and, where applicable, specify whether COMMA or FULL STOP is used as the decimal mark. In the absence of such a statement, the FULL STOP is deemed to be the decimal mark.

3. Definitions

The meanings of principal terms used in this standard shall be as follows:

(1) positional notation   A numeration system in which a real number is represented by a string of characters in such a way that the value contributed by a character depends on its position as well as its value.

(2) decimal mark   The character that separates the digits forming the integral part of a number from those forming the fractional part.

Applicable Standards:

JIS X 0201-Code for Information Interchange

JIS X 0202-Code Extension Techniques for Use with the Code for Information Interchange

Corresponding International Standard:

ISO 6093   Representation of numerical values in character strings for information interchange