



INTERNATIONAL STANDARD ISO/IEC 13211-1:1995
TECHNICAL CORRIGENDUM 1

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Information technology — Programming languages — Prolog

Part 1:

General core

TECHNICAL CORRIGENDUM 1

Technologies de l'information — Langues de programmation — Prolog

Partie 1: Noyau général

RECTIFICATIF TECHNIQUE 1

Technical Corrigendum 1 to ISO/IEC 13211-1:1995 was prepared by Joint Technical Committee ISO/IEC JTC 1, *Information technology*, Subcommittee SC 22, *Programming languages, their environments and system software interfaces*

NOTE Some text in Mathematical font is expressed using Latex convention, i.e. surrounded with '\$' signs.

3.106 mapping

'mapping' is used with a second meaning in the standard: add a second definition

A function from a value of one type T to a value of another type R denoted by $T \rightarrow R$

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3.108 most general unifier (MGU)

Replace 'instance' by 'example' because 'instance' is not being used with the meaning defined in 3.95.

3.125 partial list

Replace 'A variable' by 'A *variable*'.

Replace 'second argument' by 'second *argument*'.

3.148 read-term

Replace 'end token.' by 'end token'.

4.1.3.5 Axiom

Replace:

Axiom: if $x > 0$ then $\sqrt{x}$ is the positive square root of x else **undefined**.

by

Axiom: if $x \geq 0$ then $\sqrt{x}$ is the non-negative square root of x else **undefined**.

6.3.7 Term -- double quoted list notation

If a double quoted list represents an atom (i.e. the Prolog flag 'double_quotes' has value 'atom'), the priority of the term should depend on whether or not the atom is an operator as in 6.3.1.3. ISO/IEC 13211-1 states that the priority of an atom represented by a double quoted list is always zero.

Replace the syntax rule by the four syntax rules:

`term = double quoted list ;`

Abstract: / *dq*/

Priority: 0

Condition: Prolog flag `double_quotes` has value `chars`

`term = double quoted list ;`

Abstract: / *dq*/

Priority: 0

Condition: Prolog flag `double_quotes` has value `code`

`atom = double quoted list ;`

Abstract: *a* *dq*/

Priority: *n*

Condition: Prolog flag `double_quotes` has value `atom`

Condition: *a* is an operator

`atom = double quoted list ;`

Abstract: *a* *dq*/

Priority: 0

Condition: Prolog flag `double_quotes` has value `atom`

Condition: *a* is not an operator

7.2.5 c) 2)

Replace

2) if XN is the ...

by

2) XN is the ...

7.8.5.4

Replace the first sentence:

Tables 27 and 28 show the execution stack before and after executing the control construct ', '(First, second).

by

Tables 27 and 28 show the execution stack before and after executing the control construct ', '(First, Second).