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Second edition
2007-10-01

Information technology — Programming languages, their environments and system software interfaces — Programming language ISLISP

Technologies de l'information — Langages de programmation, leurs environnements et interfaces de logiciel système — Langage de programmation ISLISP

Reference number
ISO/IEC 13816:2007(E)

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Published in Switzerland

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Foreword

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The main task of the joint technical committee is to prepare International Standards. Draft International Standards adopted by the joint technical committee are circulated to national bodies for voting. Publication as an International Standard requires approval by at least 75% of the national bodies casting a vote.

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ISO/IEC 13816 was prepared by Joint Technical Committee ISO/IEC JTC 1, *Information technology*, Subcommittee SC 22, *Programming languages, their environments and system software interfaces*.

This second edition cancels and replaces the first edition (ISO/IEC 13816:1997), which has been technically revised.

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Introduction

The programming language ISLisp is a member of the Lisp family.

The following factors influenced the establishment of design goals for ISLisp:

1. A desire of the international Lisp community to standardize on those features of Lisp upon which there is widespread agreement.
2. The existence of the incompatible dialects Common-Lisp, EuLisp, Le-Lisp, and Scheme (mentioned in alphabetical order).
3. A desire to affirm Lisp as an industrial language.

This led to the following design goals for ISLisp:

1. ISLisp shall be compatible with existing Lisp dialects where feasible.
2. ISLisp shall have as a primary goal to provide basic functionality.
3. ISLisp shall be object-oriented.
4. ISLisp shall be designed with extensibility in mind.
5. ISLisp shall give priority to industrial needs over academic needs.
6. ISLisp shall promote efficient implementations and applications.

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