Classified Larch Bibliography

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This classified bibliography is an updated version of Appendix C in [38]. Papers of historical interest only are included among the references, but do not appear in the classification.
The LaTeXfiles used to prepared this bibliography are available by anonymous `ftp` from Internet node `larch.lcs.mit.edu` as `pub/Larch/bibliography.tar.Z`. Please send corrections and suggested additions to `larch@lcs.mit.edu`. Kindly include a brief description of each suggested addition so that it can be cited in appropriate categories.

Papers about Larch

Current work

An overview of Larch is available in [38], which describes the Larch Shared Language and the Larch/C interface language. It also provides an introduction to the Larch Prover and the Larch/Modula-3 interface language.
Reports about the current status of several Larch-related projects are contained in [53].

Larch languages

Larch Shared Language: [38]
Larch Interface Languages

- Generic [11, 42, 49, 70]
- Ada [26]
- C [17, 38, 62]
- C++ [48]
- CLU [68]
- ML [76]
- Modula-3 [44, 45, 46, 38]
- Smalltalk [12]

Larch and other methods: [2, 38, 51, 78]

Larch tools

LP, the Larch Proof Assistant

- User's Guide: [21]
- Beginner's strategy guide: [63]

- Extensions: [66]
- Use: [4, 7, 9, 13, 14, 58, 67]

For LSL: [6, 47]
For LCL: [17]
For LM3: [44]

Sample specifications

Apple MAC Toolbox: [8]
Avalon built-in classes, examples (queue, directory, counter): [49, 71, 72, 75]
Database: [38]
Display: [32]
Distributed algorithms: [59]
Finite element analysis library: [1, 3]
Garbage collection: [15]
IOStreams: [45]
Larch/Ada: [10, 26]
Library: [69]
Miro languages and editor: [77, 79]
Thread synchronization primitives: [5, 55]
Using specifications to search software libraries: [56]

Proofs using LP

Ada programs: [27]
Analysis of Larch specifications: [38]
Avalon queue example: [25, 74, 75]
Circuit examples: [13, 23, 54, 57, 60, 61]
Compiler optimizations: [64] and [65].
Distributed algorithms: [59]
Mathematical Theorems: [52]
Temporal Logic of Actions: [16]

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