Icon Technical Reports

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Technical reports related to the Icon programming language appear in the technical report series published by the Department of Computer Science at The University of Arizona. The list that follows is provided for reference only. The first two digits of a technical report number indicate the year in which it was published. Many technical reports are out of print; these are identified by the symbol ©. Some recent technical reports that are out of print have been replaced by Icon Project documents. See IPD 198. Lower-case letters that follow numbers indicate revisions.

TR 78-3a  The Icon Programming Language; An Overview
TR 78-4  An Alternative to the Concept of "Pattern" in String Processing
TR 78-5  Backtracking with Generators
TR 78-8  A List Scanning Facility for Icon
TR 78-14  User's Manual for the Icon Programming Language
TR 78-15a  Programming Techniques Using Character Mappings in Icon
TR 78-16a  A Portable Storage Management System for the Icon Programming Language
TR 79-1a  Reference Manual for the Icon Programming Language
TR 79-2b  Transporting the Icon Programming Language
TR 79-9  Instrumenting Icon for Performance Measurement
TR 79-10  Tools for the Measurement of Icon Programs
TR 79-11  The Design and Implementation of a Goal-Directed Programming Language
TR 79-12a  Icon Implementation Notes
TR 80-2  Reference Manual for the Icon Programming Language; Version 3, UNIX
  Implementation
TR 80-9  A Tour Through the C Implementation of Icon
TR 80-20  Measuring the Performance and Behavior of the Icon Programming Language
TR 80-21  Expression Evaluation in Icon
TR 80-25  Pattern Matching in Icon
TR 81-1a  New Control Structures in Icon
TR 81-2  Sequences and Expression Evaluation in Icon
TR 81-4a  Reference Manual for the Icon Programming Language; Version 4, UNIX
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TR 81-5  An Implementation of Generators in C
TR 81-6  Models of String Pattern Matching
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TR 81-11a  A Tour Through the C Implementation of Icon; Version 4 ©
TR 81-18  Control Mechanisms for Generators in Icon
TR 82-4  Co-Expressions in Icon
TR 82-8a  Programmer-Defined Control Operations in Icon
TR 82-16  Programmer-Defined Argument Evaluation Regimes
TR 82-20  The Control of Searching and Backtracking in String Pattern Matching
TR 83-3g  An Overview of the Icon Programming Language ©
TR 83-4  Unifying String and List Processing in Icon
TR 83-5  Differences Between Versions 2 and 5 of Icon ©
TR 83-6a  The Icon Program Library ©
TR 83-10d  Porting the UNIX Implementation of Icon
TR 83-11a  The C Implementation of Icon; A Tour Through Version 5
TR 83-14a  Understanding Pattern Matching — A Cinematic Display of String Scanning

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The Construction of Variant Translators for Icon O
The Implementation of an Experimental Language for Manipulating Sequences
Diagramming Icon Data Structures
An Icon Subsystem for UNIX Emacs
Rebus — A SNOBOL4/Icon Hybrid
Extensions to Version 5 of the Icon Programming Language
A Tour Through the C Implementation of Icon; Version 5.9
The Icon Program Library; Version 5.9
Installation and Maintenance Guide for Version 5.9 of Icon
Personalized Interpreters for Icon
Tables in Icon
A Tool for Interactive Observation of the Icon Interpreter
Seque: A Language for Programming with Streams
Reference Manual for the Seque Programming Language
The Implementation of Data Structures in Version 5 of Icon
Bibliography of Documents Related to the SNOBOL, SL5, and Icon Programming Languages
Installation and Maintenance Guide for Version 5.10 of Icon
Version 5.10 of Icon
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The Icon Program Library; Version 5.10
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Porting the UNIX Implementation of Icon; Version 5.10
Programming in Icon; Part I — Programming with Generators
A Pattern Matching Laboratory; Part I — An Animated Display for String Pattern Matching
Programming in Icon; Problems and Solutions for the Icon Newsletter
The Icon Program Library for DOS; Version 5.9
Dynamic Scanning Environments — A Generalization of String Scanning
Version 6.0 of Icon
Installation Guide for Version 6.0 of Icon on UNIX systems
Personalized Interpreters for Version 6.0 of Icon
Icon Program Library; Version 6.0
A Continuation Semantics for Icon Expressions
An Expression Data Type for Icon
Transporting Version 6 of Icon
The Construction of Variant Translators for Version 6 of Icon
A Recursive Interpreter for Icon
Real-Time Garbage Collection of Strings and Linked Data Structures
Programming in Icon; Part II — Programming with Co-Expressions
A Preprocessor for Icon
Version 7 of Icon
Installation Guide for Version 7 of Icon on UNIX Systems
Personalized Interpreters for Version 7 of Icon
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A Stream Data Type for Icon
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Type Inference System for Icon
The Design and Implementation of High-Level Programming Language Features for Pattern Matching in Real Time
The Implementation of Generators and Goal-Directed Evaluation in Icon
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The Visualization of Dynamic Memory Management in the Icon Programming Language
TR 90-1d Version 8 of Icon
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TR 90-7b The Icon Program Library
TR 90-8b Icon-C Interfaces
TR 90-10b Programming in Idol: An Object Primer
TR 91-1c X-Ion: An Icon Windows Interface
TR 91-16 The Implementation of an Optimizing Compiler for Icon
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TR 92-26 X-Ion: An Icon Windows Interface; Version 2
TR 92-32 Window Interface Tools for X-Ion
TR 92-34 XIB: X-Ion Interface Builder
TR 93-9 X-Ion: An Icon Windows Interface; Version 8.10
TR 93-21 A Framework for Monitoring Icon Program Execution
TR 93-32 Type Inference in the Icon Programming Language