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FORML Conference Proceedings, 1980 thru 1992 by Keyword

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A Threaded Microprogram Machine	Rodriquez	Brad	91	160	8	Forth Engines
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APE, A Forth Automatic Programming Environment	Hand	Thomas	86	293	7	Forths
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A 32-bit 68000 eForth implementation	Haskell	Richard	90	190	12	Forths
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Deal	Haydon	Glen	83	345	4	Game
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Synchro Angular Positions and Three Orthographic Views	Bowie	Glenn	83	321	16	Graphics
A Portable Graphics Wordset in Forth	Volk	William	84	73	4	Graphics
The Simplest Line Drawing Routine	Ting	C.H.	87	302	1	Graphics
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A New Forth Environment: The HP 71B Forth	Woodriff	Lee	84	191	12	Hardware
The Macintosh and Forth	Zimmer	Thomas	84	213	2	Hardware
Toward a Standard Computer	Ruffer	Dennis	84	227	12	Hardware
Preliminary Report on the NOVIX 4000	Stevens	C.L.	85	421	8	Hardware
The Development of VLSI Forth Microprocessor	Williams	Robert	86	189	8	Hardware

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A 32 Bit Processor Architecture for Direct Execution of Forth	Fraeman	Martin	86	197	14	Hardware
OF3210 32 bit Forth Engine	Ting	C.H.	87	3	21	Hardware
32 bit Forth Engine Simulator	Ting	C.H.	87	24	12	Hardware
Novix Decoder	Sjolander	Stephen	87	36	12	Hardware
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A Survey of Image Processing Systems for Personal Computers	Ting	C.H.	92	39	7	Image Processing
A Video Camera Based 3D Digitizer and Its Applications	Ting	C.H.	92	46	1	Image Processing
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A Simple Industrial Controller Written in Forth	Brockman	Michael	83	337	8	Industrial Control
The Forth++ C Interface	Knaggs	Peter	90	211	6	Interface
Forth as a Command Interpreter	Kopff	Paul	90	217	9	Interface
An Improved Interpreter	Perry	Michael	88	133	4	Interpreter
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IO Vectoring	Rible	John	82	169	4	IO Vectoring
Key Capture & Vectoring	Zimmer	Thomas	82	173	12	IO Vectoring
Key-Capture Macros	Rible	John	83	149	2	IO Vectoring
A Keyboard Monitor for Forth	Collins	Lance	85	307	4	Keyboard Monitor
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Leadership for Forth Products	Ragsdale	Bill	83	89	12	Leadership
A Forth Program Librarian	Sand	Jonathan	82	225	12	Libraries
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A General List Processing INTERPRET for F83	Elliott	Jeff	88	35	14	List Processing
Local Variables for Forth	Jekel	R.N.	80	59	5	Local Variables
Standard Forth to TO-Forth	Niewenhuijzen	Hans	80	84	2	Local Variables
Fast Local Variables	Bowhill	Sidney	82	142	5	Local Variables
Local Variables	LaQuey	Robert	84	307	10	Local Variables
Arrays and Stack Variables	Levy	George	84	317	24	Local Variables
An Approach to Local Variables	Shaw	George	84	341	6	Local Variables
Named Local Variables in Forth	Volk	William	84	347	12	Local Variables
Error Traping and Local Variables	Schleisiek	Klaus	84	359	4	Local Variables
Local Variables	Baden	Wil	92	107	2	Local Vraiables
An RTX Recompiler for On-Line Maintenance	Lee	Jonathan	89	334	10	Maintenance
How to Manage Forth Projects	Welch	Eric	80	135	5	Managing
Managing Forth Source in Operating System Files	Collins	Lance	85	189	8	Managing Source
Quadruple Percision Simple Arithmetic	Beers	Dave	81	43	18	Mathematics
Integer division Rounding and Remainders	Berkey	Robert	82	13	12	Mathematics
Logrithm and Exponential Function, A Bit at a Time	Schleisiek	Klaus	83	155	4	Mathematics
Turtles Explore Floored Division	Essak	Zafar	86	3	6	Mathematics
Fast Double Unsigned Multiply and Divide	Baden	Wil	88	107	1	Mathematics
User-Defined Systems for Pure Mathematics	Wavrik	John	89	97	7	Mathematics
CRC Polynomials Made Plain	Baden	Wil	89	104	9	Mathematics
Approximate Rational Arithmetic	Tang	S.Y.	90	163	12	Mathematics
A Study of WEE Groups	Wavrik	John	90	175	10	Mathematics
Functional Approximation by Chebyshev Series	Haley	Andrew	90	227	7	Mathematics
World's Slowest Maths Routines	Charlton	Gordon	91	330	8	Mathematics
Dynamic Memory Allocation	Rothberg	Ed	80	50	1	Memory Alloc
Seperate Code and Data Spaces in Forth	Hartley	Jesse	85	331	12	Memory Alloc
Dynamic Memory Allocation	Schleisiek-Kern	Klaus	88	72	6	Memory Alloc
Memory Cards and Forth: An Update	Frenger	Paul	89	292	6	Memory Cards
uswFRAME - Forth Real-Time Application Meta-Environment	Makaveev	Bozhil	90	312	7	MetaCompiler
Metacompilers Revisited	Kelly	Guy	91	99	17	Metacompiling
St. Francis Terminal Input	Baden	Wil	87	257	6	Methods
Restarting Forth	Baden	Wil	87	263	4	Methods
A Multi-media System	Kelly	Guy M.	87	65	17	Multi-media
A Simple Multi-Tasker for Forth	Perry	Michael	83	105	6	Multitasking
High Level and Code Level Forth Multitasker	Levy	George	84	133	16	Multitasking
Event Driven Multitasking	Zander	Jens	85	457	6	Multitasking
Multi-Tasking the right Way	Hayes	John	88	56	16	Multitasking
Multitasking or Multiple State Machines	Kelly	Guy	89	70	5	Multitasking

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A Multitasker for 68HC11	McKewan	Andrew	90	29	9	Multitasking
USW Resource Access eXecutive	Blagoev	Lyubomir	90	324	8	Multitasking
Implementation of a Fast Reading Multitasking System	Hoffman	U.	90	425	8	Multitasking
Hash-encoded Forth Name Fields: One Year of use	Dowling	Thomas	81	159	2	Naming Conv
A Forth Naming Conv for Integer Div & Multiplication	Berkey	Robert	82	217	8	Naming Conv
Naming Conventions	Harris	Kim	83	295	4	Naming Conv
Forth Tools for Natural Language Interfaces	Hand	Thomas	86	225	8	Natural Language
underSTANding natural languages	Hand	Thomas	87	309	4	Natural Language
A Set of Forth Words in Electrical Network Analysis	Storjohann	Jens	85	429	6	Network Analysis
Forth in Networking	Mihailov	Emil	91	259	7	Networking
A Forth Driven, Networked System for Applied Automation	Long	Donald	85	407	6	Networks
Networks of Neurons	LaQuey	Robert	87	191	10	Networks
A Network Manager and Controller	Pelc	Stephen	87	269	6	Networks
Forth and Artificial Intelligence	LaQuay	Robert	85	399	8	Neural Nets
Neuralizing SAS: Signal Space, Address Space and Symbol Space	Brakefield	James	87	201	7	Neural Nets
Trainable Neural Nets in Forth	Carpenter	John	87	415	22	Neural Nets
Trainable Neural Nets on a Novix	Carpenter	John	88	131	2	Neural Nets
Zug Power Station, An Approach to Trainable Neural Nets	Carpenter	John	89	282	10	Neural Nets
NUMBER Input Wordset	Schleisiek	Klaus	82	147	8	NUMBER
A Target Compiler for Auto-linking Object Modules	Talbot	Ray	82	99	10	Objects
How and Why: Multiple Inheritance Object Systems	Linder	Stephen	86	263	18	Objects
Multiple Code Fields: Object-Oriented Programming in Forth	Shaw	George	87	229	20	Objects
Methods>Object-Oriented Extensions Redux	Rayburn	Terry	87	343	13	Objects
LIST: A Generator for Object Oriented Lists	Neubert	K.D.	87	356	12	Objects
Hierarchical Objects from Flat Vocabularies	Elola	Mike	89	115	9	Objects
An Object-Oriented Forth Implementation	Abu-Mostafa	Ayman	89	197	7	Objects
Cool-Unifying Class and Prototype Inheritance	Taivalsaari	Antero	89	240	9	Objects
ObjMenu Creating System for Interactive Forth Applications	Vassilev	Konstantin	89	402	11	Objects
Real-Time Object-Oriented uswFORTH	Blagoev	Lyubomir	90	332	8	Objects
Little Universe and Object Encapsulation	Neubert	Karl-Dietrick	90	340	6	Objects
A FMS-Realisation in USW Object-Oriented Environment	Blagoev	Lyubomir	91	248	5	Objects
OOF, an Object Oriented Forth	Dahm	Markus	91	338	15	Objects
Object Forth based on classes-The object model of Kevo	Taivalsaari	Antero	92	180	17	Objects
NEXOS - a ROM Based Multi-tasking Operating System	Petersen	Joel	81	575	6	Operating Systems
Interfacing Forth with an Operating System	Basile	Jim	81	581	24	Operating Systems
Development of a Tightly Coupled Forth to OS Environments	Blaser	Peter	84	257	2	Operating Systems
Extensions to Forth in the DOS Environment	Dowling	Thomas	84	259	4	Operating Systems
Disk I/O Under OS	Braithwaite	Ron	84	263	10	Operating Systems
The Forth Operating System	Haydon	Glen	86	130	9	Operating Systems
A Usable Operating System in Forth	Franklin	A.	86	139	2	Operating Systems
Forth and TSR—Terminate and Stay Resident	Kopff	Paul	91	376	11	Operating Systems
Interpreter and Object Code Optimizer for a 32 Bit Forth Chip	Hayes	John	86	211	14	Optimizing
cmFORTH, mpFORTH, the FORTHchip, and Opt Compilers	Pauck	M.	87	391	7	Optimizing
An Extensible Optimizer for Compiling Forth	Scott	Andrew	89	51	9	Optimizing
FORML Conference Attendees			91	215	1	Organization
7th euroFORML Conference	Kern	Marina	91	218	1	Organization
Forth Activities in the Soviet Union	Baranoff	Sergei	91	266	3	Organization
euroFORML '91 List of Participants			91	427	1	Organization
The Third China FORML Conference	Zhou	Xi	91	431	1	Organization
China Forth Interest Group (CFIG)	Zeng	Zhicheng	91	432	1	Organization
Taiwan Forth Language Association	Chen	Chin	91	433	2	Organization
Presentations			91	495	1	Organization
Round Table Discussions - Forth Development in China			91	495	4	Organization
Concluding Remarks			91	499	2	Organization
Why Languages on top of Forth?	Niewenhuijzen	Hans	80	86	1	Other Languages
A LISP Implementation in Forth	Spencer	Jon	80	107	1	Other Languages
Implementation of Language Processors	Spencer	Jon	80	108	1	Other Languages
Implementation of Algebraic Expressions	Spencer	Jon	80	109	1	Other Languages
Programming a BASIC Compiler in Forth	Moore	Charles	81	513	8	Other Languages
Turtletalk - a LOGO - like Turtle Graphics Environment	Tenney	Glenn	81	521	22	Other Languages
An Automatic Cueing Language for Multi-Media	Lunghi	Don	81	551	16	Other Languages
A Forth Lisp	Tracy	Martin	85	43	16	Other Languages
LOGO in Forth - A Role for Stack Frames and Local Variables	Collins	Lance	85	59	12	Other Languages
A Prolog Interpreter	Ting	C.H.	85	71	10	Other Languages
Prolog at 20,000 LIPS on the NOVIX?	Odette	Louis	86	183	4	Other Languages
LISP Kernal for the NC4000	Hoffmann	Ulrich	87	368	15	Other Languages
From Pascal to Forth	Mogrenstern	Leonard	89	33	12	Other Languages
The Harris C Cross Compiler	Hand	Thomas	89	225	9	Other Languages
A Compiler for Programmable Logic	Stolowotz	Michael	82	257	10	PAL
Debugging eForth LINDA on a Simulated Network of Forth	Fox	Jeff	91	60	15	Parallel Processing
The In-Word Parameter Words	Chen	Sam Suan	84	275	4	Parameter Words

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WORD without a Reserved character	Schleisiek Klaus	82	39	8	Parsing
An Approach to Natural LAnguage Parsing	Park Jack	85	25	10	Parsing
BNF: A Parser Written in Forth	Morgenstern Leonard	85	81	14	Parsing
Word Search, Filter, and Structure Tools	Fuller Regan	85	223	16	Parsing
Pattern Matching in Forth	Rodriquez Brad	89	143	14	Pattern Matching
Common Sense Pattern Classification for Signal Processing	Carpenter John	92	137	8	Pattern Recognition
Performance Monitoring in Forth	Spreier Phil	81	387	14	Performance
Ground Control Approach Radar Performance Monitoring	Korsak Andy	81	607	36	Performance
Performance Analysis in threaded Code Systems	Perry Michael	85	303	4	Performance
The Paradigm of Interactive Programming	Goppold Andreas	84	89	18	Philosophy
Forth, Fifth, and Beyond	Goppold Andreas	84	107	24	Philosophy
Live Independently Selling Software You Like	Ragsdale William	92	98	9	Philospphy
Protability: 16 to 32 Bits	Sjolander Stephen	86	34	12	Portability
Portability and the Bitness of Forth	Elola Michael	87	110	8	Portability
Event Management in Process Control	Waterman Jon	90	126	6	Process Control
Stand Alone In-Circuit Development with SAB 80535	Franin Julio	90	304	8	Process Control
Managing Software Projects Using Forth	Wheatcroft John	90	383	8	Program Control
Programming and Our View of Man	Storjohann Jens	89	385	3	Programming
Proj - a Software Development Project Manager	Bengt-Grahn	90	246	11	Programming
Programming from the Forth Point of View	Motalygo Valo	80	12	27	Programming
A Puzzler Solver	Schmidt-Nielsen Brent	92	29	10	Puzzle
Quality Assurance in a Forth Environment	Lee Joanne	81	363	24	Quality Assurance
Forth Readability	Hand Thomas	84	83	6	Readability
Forth Binary Absolute & Relocatable Loader	Niewenhuijzen Hans	80	105	2	Relocatable Loader
A Modular Approach to Robotic Control Systems	Bennett Paul E.	89	251	5	Robotic Control
Directed Nets pf Rule Sets and a Hybride Search Strategy	Jost T.	87	437	9	Search Strategy
Protecting The Use of the Return Stack	Koluvek Roland	91	144	7	Security
Try A Simple Exception Handler	Wejgaard Wolf	91	309	4	Security
Forth and Ocean Bottom Seismograph	Roederer Karsten	89	373	8	Seismograph
MuP20 Software Simulation and Debugging & eForth	Fox Jeff	91	45	15	Simulation
Simulation of Life, Death, Mutation and Evolution	Ting C.H.	91	187	8	Simulation
A Simulator and Real Time Monitor of MOFA System	Thou Chin-Ning	91	448	8	Simulation
A Forth Slide Rule	Grossman Nathaniel	84	37	10	Slide Rule
Smart RAM	Chapman Rob	89	205	5	Smart RAM
What's Wrong with SMUDGE?	Schleisiek Klaus	82	47	4	SMUDGE
Soft-Wired Systems	Haydon Glen	87	53	4	Soft-Wired Sys
Software Quality & Forth Programs	Harris Kim	80	140	33	Software Dev
Software Security Without Metacompiling	Rothberg Ed	82	209	8	Software Dev
Self-Understanding Programs	Bradley Mitch	85	203	6	Software Dev
Milking Forth in a Conventional Software Dev Environment	Korsak Andrew	87	295	6	Software Dev
Software Development System USW	Blagoev Ljubomir	89	267	15	Software Dev
Binary Key Sort Applications	Hayden Glen	81	501	10	Sort
C.A.R. Hoares' Quicksort Algorithm in forth	McKibbin Sidney	82	249	3	Sort
Binary Radix Sort on 80286, 68010 and RTX2000	Ting C.H.	89	45	6	Sort
Speaking Forth (with a Speech Synthesizer)	Miller Richard	81	643	4	Speech Synth
EGADS. Extenssible Gate Array Design Spreadsheet	Furman Alan	83	3	10	Spreadsheet
Stacks for Forth Machines	Smith Robert	83	29	2	Stacks
Named Stack Variables as Modules	Kelly Guy M.	87	162	6	Stacks
Stack Caching in the SC32 Forth Processor	Hayes John	88	100	5	Stacks
Generic Stack Operations	Elola Mike	90	112	9	Stacks
Algebraid Specification of Stack Effects for Forth Programs	Poial Jaanus	90	282	9	Stacks
Stack Checking—a Debugging Aid	Hoffman Ulrich	91	391	9	Stacks
Multiple Stack-Effects of Forth-Programs	Poial Jaanus	91	400	7	Stacks
Notes	Tenney Glenn	80	3	2	Standards
Forth Coding Standards	Wischmeyer Ed	81	353	10	Standards
Towards a Pedogogic Standard	Stevenson Greg	81	413	10	Standards
Towards Standardized Modem Words	James John	84	57	12	Standards
Proposed Standards Changes	Pelc Stephen	86	166	4	Standards
The Forth Standards	Petersen Joel	86	170	6	Standards
A New Standard for Forth: Bits of History, Words of Advice	Colburn Don	86	176	7	Standards
ANS Forth Validation Suite: Part 3 - Documentation	Ruffer Dennis	91	168	9	Standards
ANS Forth Update	Bradley Mitch	91	269	6	Standards
Forth Language and Standards	Baden Wil	91	435	2	Standards
Proposed Forth Strings	Niewenhuijzen Hans	80	212	9	Strings
Forth-like String Handling	McNeil Michael	80	221	7	Strings
A Consistent Structure for In-Line String Literals	Colburn Don	82	155	5	Strings
A Constant Structure for In-Line String Literals	Colburn Don	83	183	4	Strings
Some Proposals for Strings in Forth	Smith Robert	87	118	2	Strings
FOSM—A FOrth String Matcher	Charlton Gordon	91	313	17	Strings
A Forth Bucket-Brigade	Kopff Paul	91	357	2	Strings
Wish List '81	James John	80	5	7	Style

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What Does One Do with a Cryptic FORTHright?	Kreever	Al	81	341	12	Style
Design Considerations for a 32-bit Forth	LaManna	Mike	82	67	14	Style
Forth as a First Language	James	John	83	71	18	Style
A Set of Formal Rules for Phrasing	Baden	Wil	85	127	16	Style
Charting Forth	Baden	Wil	86	79	14	Style
Escaping Forth	Baden	Wil	86	93	11	Style
Hacking Forth	Baden	Wil	86	104	15	Style
Leaping Forth	Baden	Wil	86	119	11	Style
Bach Organ Recital on a Six Channel PC Organ	Ting	C.H.	87	251	1	Style
Write Once, Read Never	Baden	Wil	87	252	5	Style
Chinses Limericks	Ting	C.H.	87	301	1	Style
Communicating Forth	Jones	R.	87	333	5	Style
Music Reader: Convert Music to Machine Read/Play Code	Ting	Pei-Tao	88	3	9	Style
Zen and Forth	Ting	C.H.	88	116	5	Style
Forth Poetry or Forth Program?	Ting	C.H.	89	3	6	Style
A Trail of Bread Crumbs	Midnight	Peter	89	9	8	Style
Seeing Forth	Baden	Wil	89	17	14	Style
For think Forthink Forth Ink	Chapman	Rob	89	204	1	Style
The Extensions to Provide a More Writable Forth Syntax	Glass	Harvey	83	57	12	Syntax
Proposal for Syntax Notation	Rible	John	89	239	1	Syntax
Transparent Target Development	Grotke	Guy	92	149	10	Target Compilers
A Grad Course on Micros in Prod Design for Mech Engineers	Buckley	Charles	84	49	8	Teaching
525,000 Times Faster than a Mainframe?	Frossman	Nathaniel	87	82	22	Techniques
Using a 3-key Keyboard for Text	Sergeant	Frank	90	49	21	Techniques
The TO Variable	McNeil	Michael	80	75	3	The TO Variable
Thermal Meter - An approach to Forth FSY63	Chen	Zuoping	89	210	15	Thermal Meter
Timer Driven Forth Application	Wu	Txeng Tzang	91	457	5	Timing
Compressed Forth Object Code	Lyons	George	80	43	3	Tokens
Tokens, Threads, and the Virtual Machine	Holmes	Terry	81	29	2	Tokens
Umbilical Manipulation of an 8751 Micro via a Token Forth	Korsak	Andrew	86	141	6	Tokens
Training Programmers to be Forth Programmers	Beers	Dave	81	325	12	Training
A Vision of Transparency	Pelc	Stephen	89	344	4	Transparency
Applications for Vectored Words	Peterson	Joel	82	162	7	Vectored Exec
Improved Syntax for Vectored Execution	Brodie	Leo	82	185	6	Vectored Exec
Virtual Execution Idea	James	John	82	61	2	Virtual Execution
Virtual Machine Interface Concepts	Draper	John	81	79	8	Virtual Machine
Vocabulary Mechanisms in Forth	Perry	Michael	80	39	3	Vocabularies
Input Number Word Set	Patten	Robert	80	46	4	Vocabularies
Utilizing Vocabularies - The Best of All Possible Worlds	Petty	David	81	167	10	Vocabularies
Towards a 79-Standard fig-Forth Rom Voc and Smart FORGET	Cassady	John	81	177	10	Vocabularies
Executable Vocabulary Stack	Shaw	George	81	187	8	Vocabularies
The ONLY Concept for Vocabularies	Ragsdale	Bill	82	109	8	Vocabularies
Executable Vocabulary Stack	Shaw	George	82	117	4	Vocabularies
Virtual Vocabularies	Haydon	Glen	83	165	6	Vocabularies
A Portability Wordset	Craymer	Loring	85	197	6	Vocabularies
Managing Dictionaries as Packages	Sanderson	Dean	90	121	5	Vocabularies
Design Considerations for a Word Proc in 79-Standard Forth	Dowling	Thomas	82	283	3	Word Processor
Word Replacement by Maintaining a Cross-Ref Dictionary	Korsak	Andy	83	171	1	Word Replacement

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An Object-Oriented Forth Implementation	Abu-Mostafa	Ayman	89	197	7	Objects
A Forth Execution Simulator for Debugging	Asprey	Tom	80	181	7	Debugger
Yet Another Recursive Decompiler	Astle	Richard	85	209	14	Decompiler
Modern Control Logic	Baden	Wil	83	125	10	Control Structures
Nonce Defining Words	Baden	Wil	84	77	4	Defining Words
Interpretive Logic	Baden	Wil	85	95	8	Interpretive Logic
A Set of Formal Rules for Phrasing	Baden	Wil	85	127	16	Style
English as a Second Language for Forth Programmers	Baden	Wil	85	383	4	Language
Charting Forth	Baden	Wil	86	79	14	Style
Escaping Forth	Baden	Wil	86	93	11	Style
Hacking Forth	Baden	Wil	86	104	15	Style
Leaping Forth	Baden	Wil	86	119	11	Style
Write Once, Read Never	Baden	Wil	87	252	5	Style
St. Francis Terminal Input	Baden	Wil	87	257	6	Methods
Restarting Forth	Baden	Wil	87	263	4	Methods
The Forth Connection with Flowcharts	Baden	Wil	87	267	2	Flowcharts
Fast Double Unsigned Multiply and Divide	Baden	Wil	88	107	1	Mathematics
Lean and Mean Single Pass Adaptive Data Compression	Baden	Wil	88	108	4	Data Compression
Co-routines	Baden	Wil	88	112	4	Error Handling
Seeing Forth	Baden	Wil	89	17	14	Style
CRC Polynomials Made Plain	Baden	Wil	89	104	9	Mathematics
Control Flow words from Basis9	Baden	Wil	89	157	11	Control Structures
Virtual Reology	Baden	Wil	90	135	9	Control Structures
How Many Forks for Deep Spaghetti	Baden	Wil	90	144	6	Control Structures
How to Uncook Spaghetti	Baden	Wil	90	150	5	Control Structures
Spaghetti Restructured	Baden	Wil	90	155	2	Control Structures
Differential File Comparison	Baden	Wil	91	3	13	Code Control
Forth Code Control System	Baden	Wil	91	16	10	Code Control
Documentation Update	Baden	Wil	91	26	6	Documentation
Forth Language and Standards	Baden	Wil	91	435	2	Standards
Control Flow in Forth	Baden	Wil	91	478	2	Control Flow
Embedding Forth	Baden	Wil	92	63	17	Compilers
First & Third almost Forth	Baden	Wil	92	80	7	Compilers
How to Pack an Elephant into a Shopping Bag	Baden	Wil	92	87	6	Data Compression
Life that Knows When to Stop	Baden	Wil	92	95	3	Games
Local Variables	Baden	Wil	92	107	2	Local Variables
Looking for the Moon	Baden	Wil	92	109	5	Calander
Optimizations in Low Level Forth	Baden	Wil	92	115	7	Compilers
Forth Activities in the Soviet Union	Baranoff	Sergei	91	266	3	Organization
IOCCC	Barrett	Sean	92	93	2	C
Vectored Data Structures and Arithmetic Operators	Basile	Jim	81	211	12	Data Structures
PreForth - a Vectored Forth Compiler	Basile	Jim	81	303	20	Compilers
Interfacing Forth with an Operating System	Basile	Jim	81	581	24	Operating Systems
Quadruple Percision Simple Arithmetic	Beers	Dave	81	43	18	Mathematics
Training Programmers to be Forth Programmers	Beers	Dave	81	325	12	Training
Proj - a Software Development Project Manager	Bengt-Grahn		90	246	11	Programming
A Modular Approach to Robotic Control Systems	Bennett	Paul E.	89	251	5	Robotic Control
Forth and Safety Related Systems	Bennett	Paul	90	352	31	Applications
A Generalized Forth Looping Structure	Berkey	Robert	81	31	8	Control Structures
Integer division Rounding and Remainders	Berkey	Robert	82	13	12	Mathematics
A Forth Naming Conv for Integer Div & Multiplication	Berkey	Robert	82	217	8	Naming Conv
Compiler and Interpreter Co-Routines	Berkey	Robert	83	111	4	Compilers
An N-Level File System	Bilobran	Bill	80	188	24	File Systems
Execution Variables	Bilobran	Bill	81	245	12	Execution
Two Levels of parallelism, New Approach for Control Sys Design	Blagoev	Ljubomir	89	256	11	Control Structures
Software Development System USW	Blagoev	Ljubomir	89	267	15	Software Dev
USW Resource Access eXecutive	Blagoev	Lyubomir	90	324	8	Multitasking
Real-Time Object-Oriented uswFORTH	Blagoev	Lyubomir	90	332	8	Objects
A FMS-Realisation in USW Object-Oriented Environment	Blagoev	Lyubomir	91	248	5	Objects
Development of a Tightly Coupled Forth to OS Environments	Blaser	Peter	84	257	2	Operating Systems
Deferred Language Translation	Borrell	Richard	90	234	12	Language
UNRAVEL and ABORT - Inproved Error Handling for Forth	Boulton	David	81	161	6	Error Handling
Forth Metacompiler	Boutelle	Jerry	80	110	12	Compilers
A Conditional Mini-Macro-assembler for Forth Systems	Bowhill	Sidney	81	293	8	Assembler
Faster Compilation by Multithread Hashing	Bowhill	Sidney	82	25	14	Compilers
Fast Local Variables	Bowhill	Sidney	82	142	5	Local Variables
ALPHAKEY File Management System	Bowhill	Sidney	82	239	10	File Systems
A Variable-Precision Floating-Point system for Forth	Bowhill	Sidney	83	207	8	Floating Point
Transcendental Functions in Variable-Precision Forth	Bowhill	Sidney	83	215	8	Floating Point
Design of the CICFIG FORTH Target Compiler	Bowhill	Sidney	85	123	4	Compilers
Synchro Angular Positions and Three Orthographic Views	Bowie	Glenn	83	321	16	Graphics

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An Improvement Proposal for DO +LOOP Structure	Bowling John	84	285	10	Control Structures
A Portable File System Interface for Forth	Bradley Mitch	83	231	22	File Systems
Implementations of a Portable File System Interface	Bradley Mitch	83	253	14	File Systems
Self-Understanding Programs	Bradley Mitch	85	203	6	Software Dev
Interpreting Control Structures - The Right Way	Bradley Mitch	87	126	5	Control Structures
CAD Command Language	Bradley Mitch	87	277	4	Command Lang
ANS Forth Update	Bradley Mitch	91	269	6	Standards
Open Boot Firmware	Bradley Mitch	91	354	3	Applications
Disk I/O Under OS	Braithwaite Ron	84	263	10	Operating Systems
Data Structure Unification	Brakefield James	87	187	4	Data Structures
Neuralizing SAS: Signal Space, Address Space and Symbol Space	Brakefield James	87	201	7	Neural Nets
A Simple Industrial Controller Written in Forth	Brockman Michael	83	337	8	Industrial Control
Improved Syntax for Vectored Execution	Brodie Leo	82	185	6	Vectored Exec
A Grad Course on Micros in Prod Design for Mech Engineers	Buckley Charles	84	49	8	Teaching
A Decompiler Design	Buege Bob	84	239	12	Decompiler
Status Threaded Code	Buege Bob	84	251	4	Compilers
MENU: A Forth Menu Compiler	Butterfield Kenneth	88	14	7	Compilers
A 3-D Measurement System Using Object-Oriented Forth	Butterfield Kenneth	89	89	8	Graphics
Controlling Serial Devices	Butterfield Kenneth	90	89	10	Communications
Military Forth	Carpenter John	87	281	14	Forths
Trainable Neural Nets in Forth	Carpenter John	87	415	22	Neural Nets
Trainable Neural Nets on a Novix	Carpenter John	88	131	2	Neural Nets
Zug Power Station, An Approach to Trainable Neural Nets	Carpenter John	89	282	10	Neural Nets
Common Sense Pattern Classification for Signal Processing	Carpenter John	92	137	8	Pattern Recognition
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World's Slowest Maths Routines	Charlton Gordon	91	330	8	Mathematics
The In-Word Parameter Words	Chen Sam Suan	84	275	4	Parameter Words
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Taiwan Forth Language Association	Chen Chin	91	433	2	Organization
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A Constant Structure for In-Line String Literals	Colburn Don	83	183	4	Strings
A New Standard for Forth: Bits of History, Words of Advice	Colburn Don	86	176	7	Standards
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Micro Models Forth - a Public domain Forth without Screens	Collins Lance	85	187	2	Forths
Managing Forth Source in Operating System Files	Collins Lance	85	189	8	Managing Source
A Keyboard Monitor for Forth	Collins Lance	85	307	4	Keyboard Monitor
A Simple Interrupt System for Forth	Collins Lance	85	311	2	Interrupt System
Error Handling Using Standard Compiler Directives	Cornelis Frans	85	369	14	Error Handling
Another Look at DTC	Craymer Loring	84	165	14	Compilers
A Portability Wordset	Craymer Loring	85	197	6	Vocabularies
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A Self Hosted Embedded Microprocessor	Fraeman Martin	88	95	5	Hardware
Stand Alone In-Circuit Development with SAB 80535	Franin Julio	90	304	8	Process Control
A Usable Operating System in Forth	Franklin A.	86	139	2	Operating Systems
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The Paradigm of Interactive Programming	Goppold Andreas	84	89	18	Philosophy
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SMAN--The Ultimate Language Independent Prog Environment	Grahn Bengt	91	285	5	Environment
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Data Structure: Interpolator	Grossman Nathaniel	86	9	10	Data Structures
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Forth Coding Conventions Quick Reference	Harris Kim	85	175	12	Coding Conv
Using the STRUCTURE-TOOL Program on Forth Programs	Harris Kim	85	239	18	Documentation
Analyzing Large Programs by Using the STRUCTURE-TOOL	Harris Kim	85	257	16	Documentation
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Implementation of a Fast Reading Multitasking System	Hoffman	U.	90	425	8	Multitasking
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Adding Compiler Security to METHODS>	Hoffmann	Ulrich	89	234	5	Compilers
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A Forth Component Library for Off-the-Shelf Modules	Ja.es	John	85	361	8	Libraries
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Precompiled Forth Modules and Software Paging	James	John	81	145	10	Compilers
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Yet Another Object-Oriented Program in Forth	Morgenstern Leonard	90	78	11	Compilers
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A B-Tree In Forth	Morgenstern Leonard	92	3	11	Data Structures
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Controlling A Large Commercial Laundry Using Forth	Nelson N.J.	91	219	14	Applications
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Little Universe and Object Encapsulation	Neubert Karl-Dietrick	90	340	6	Objects
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Forth Binary Absolute & Relocatable Loader	Nieuwenhuijzen Hans	80	105	2	Relocatable Loader
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Philosophy of Control uswFORTH	Nyagolova Lozina	90	319	5	Control Words
Learn FORTH by FORTH	Nyagolova Lozina	91	423	3	Education
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Utilizing Vocabularies - The Best of All Possible Worlds	Petty David	81	167	10	Vocabularies
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Executable Vocabulary Stack	Shaw George	82	117	4	Vocabularies
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A Graphics Package for the F-PC	Smiley Mark	92	14	15	Graphics
Stacks for Forth Machines	Smith Robert	83	29	2	Stacks
Some Proposals for Strings in Forth	Smith Robert	87	118	2	Strings
Loops and Conditionals in LAFORTH	Smith Robert	87	120	6	Control Structures
Compatibility for Floating-Point	Smith Robert	88	49	7	Floating Point
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A Brief Look at Rational Arithmetic	Springer Charles	83	189	10	Floating Point
Floating Point in Industrial Control	Spruit Rob	90	226	1	Floating Point
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Type Inference in Stack Based Languages	Stoddart Bill	91	407	15	Data Structures
A Compiler for Programmable Logic	Stolowotz Michael	82	257	10	PAL
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Approximate Rational Arithmetic	Tang S.Y.	90	163	12	Mathematics
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A Survey of Image Processing Systems for Personal Computers	Ting C.H.	92	39	7	Image Processing
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The Beauty of Seperate Systems	Wejgaard	Wolf	90	268	6	Data Structures
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Forth Concurrency File Requirements	Tenney	Glenn	80	67	4	Concurrency
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Doubling the Speed of Indefinite Loops	McNeil Michael	84	279	6	Control Structures
An Improvement Proposal for DO +LOOP Structure	Bowling John	84	285	10	Control Structures
Yet Another CASE	Rible John	84	295	4	Control Structures
Reverse Polish Translation	LaQuey Robert	84	299	6	Compilers
Local Variables	LaQuey Robert	84	307	10	Local Variables
Arrays and Stack Variables	Levy George	84	317	24	Local Variables
An Approach to Local Variables	Shaw George	84	341	6	Local Variables
Named Local Variables in Forth	Volk William	84	347	12	Local Variables
Error Trapping and Local Variables	Schleisick Klaus	84	359	4	Local Variables
Threaded Binary Trees in Forth	Klebba Robert	85	3	14	Data Structures
Knowledge Representation in Forth: What is a fact?	Redington Dana	85	17	8	Expert Systems
An Approach to Natural Language Parsing	Park Jack	85	25	10	Parsing
Small Learning Expert System	Levy George	85	35	8	Expert Systems
A Forth Lisp	Tracy Martin	85	43	16	Other Languages
LOGO in Forth - A Role for Stack Frames and Local Variables	Collins Lance	85	59	12	Other Languages
A Prolog Interpreter	Ting C.H.	85	71	10	Other Languages
BNF: A Parser Written in Forth	Morgenstern Leonard	85	81	14	Parsing
Interpretive Logic	Baden Wil	85	95	8	Interpretive Logic
Extending Forth's Control Structures into the 1990's	Harralson Dave	85	103	20	Control Structures
Design of the CICFIG FORTH Target Compiler	Bowhill Sidney	85	123	4	Compilers
A Set of Formal Rules for Phrasing	Baden Wil	85	127	16	Style
Forth Coding Conventions	Harris Kim	85	143	32	Coding Conv

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Forth Coding Conventions Quick Reference	Harris	Kim	85	175	12	Coding Conv
Micro Models Forth - a Public domain Forth without Screens	Collins	Lance	85	187	2	Forths
Managing Forth Source in Operating System Files	Collins	Lance	85	189	8	Managing Source
A Portability Wordset	Craymer	Loring	85	197	6	Vocabularies
Self-Understanding Programs	Bradley	Mitch	85	203	6	Software Dev
Yet Another Recursive Decompiler	Astle	Richard	85	209	14	Decompiler
Word Search, Filter, and Structure Tools	Fuller	Regan	85	223	16	Parsing
Using the STRUCTURE-TOOL Program on Forth Programs	Harris	Kim	85	239	18	Documentation
Analyzing Large Programs by Using the STRUCTURE-TOOL	Harris	Kim	85	257	16	Documentation
Internal Documentation for the STRUCTURE-TOOL Program	Harris	Kim	85	273	18	Documentation
Source Listing for the STRUCTURE-TOOL Program	Harris	Kim	85	291	12	Documentation
Performance Analysis in threaded Code Systems	Perry	Michael	85	303	4	Performance
A Keyboard Monitor for Forth	Collins	Lance	85	307	4	Keyboard Monitor
A Simple Interrupt System for Forth	Collins	Lance	85	311	2	Interrupt System
Multiple Port RS-232 Driver Words	Lindbergh	David	85	313	18	Communications
Seperate Code and Data Spaces in Forth	Hartley	Jesse	85	331	12	Memory Alloc
Improvements in Error Handling	Craymer	Loring	85	343	8	Error Handling
Fast High-Level Floating Point	Illyes	Robert	85	351	10	Floating Point
A Forth Component Library for Off-the-Shelf Modules	Ja.es	John	85	361	8	Libraries
Error Handling Using Standard Compiler Directives	Cornelis	Frans	85	369	14	Error Handling
English as a Second Language for Forth Programmers	Baden	Wil	85	383	4	Language
Data Collect in Elemen Part Physics with 32-bit VAX/68K Forth	Haglund	Ralph	85	387	4	Data Collection
In-Situ-Dev - the Ideal Complement to Cross-Target-Compiling	Haley	A.P.	85	391	8	Compilers
Forth and Artificial Intelligence	LaQuay	Robert	85	399	8	Neural Nets
A Forth Driven, Networked System for Applied Automation	Long	Donald	85	407	6	Networks
Generic Operators	Rayburn	Terry	85	413	4	Data structures
Control Simulation for a Tape-Deck	Richter-Abraham	Ludwig	85	417	4	Control Structures
Preliminary Report on the NOVIX 4000	Stevens	C.L.	85	421	8	Hardware
A Set of Forth Words in Electrical Network Analysis	Storjohann	Jens	85	429	6	Network Analysis
Forth Extension for Control Interactive Jobs on other Machines	Walker	David	85	435	12	Control Structures
RTDF: A Real-Time Forth System Including Multitacking	Hijnands	H.E.R.	85	447	10	Forths
Event Driven Multitasking	Zander	Jens	85	457	6	Multitasking
Turtles Explore Floored Division	Essak	Zafar	86	3	6	Mathematics
Data Structure: Interpolator	Grossman	Nathaniel	86	9	10	Data Structures
Hashed, Cached Buffers	Craymer	Loring	86	19	7	File Systems
Zapping the F83 Dictionary	Ting	C.H.	86	26	4	Dictionary
Modular Forth: Import, Export and Linking	Pelc	Stephen	86	30	4	Compilers
Protability: 16 to 32 Bits	Sjolander	Stephen	86	34	12	Portability
Subroutine Threading	Illyes	Robert	86	46	11	Compilers
The Design Language	Ruffer	Dennis	86	57	20	Design Language
Charting Forth	Baden	Wil	86	79	14	Style
Escaping Forth	Baden	Wil	86	93	11	Style
Hacking Forth	Baden	Wil	86	104	15	Style
Leaping Forth	Baden	Wil	86	119	11	Style
The Forth Operating System	Haydon	Glen	86	130	9	Operating Systems
A Usable Operating System in Forth	Franklin	A.	86	139	2	Operating Systems
Umbilical Manipulation of an 8751 Micro via a Token Forth	Korsak	Andrew	86	141	6	Tokens
Extending Forth's Control Structures into the 1990's	Harralson	David	86	147	17	Control Structures
Proposed Standards Changes	Pelc	Stephen	86	166	4	Standards
The Forth Standards	Petersen	Joel	86	170	6	Standards
A New Standard for Forth: Bits of History, Words of Advice	Colburn	Don	86	176	7	Standards
Prolog at 20,000 LIPS on the NOVIX?	Odette	Louis	86	183	4	Other Languages
The Development of VLSI Forth Microprocessor	Williams	Robert	86	189	8	Hardware
A 32 Bit Processor Architecture for Direct Execution of Forth	Fraeman	Martin	86	197	14	Hardware
Interpreter and Object Code Optimizer for a 32 Bit Forth Chip	Hayes	John	86	211	14	Optimizing
Forth Tools for Natural Language Interfaces	Hand	Thomas	86	225	8	Natural Language
A Simple, Flexible Expert System Shell	Eberlein	Susan	86	235	15	Expert Systems
A Simple Inference Engine	Tracy	Martin	86	250	13	Expert Systems
How and Why: Multiple Inheritance Object Systems	Linder	Stephen	86	263	18	Objects
A Diagnostic Expert System in polyFORTH	Sanderson	Dean	86	281	12	Expert Systems
APE, A Forth Automatic Programming Environment	Hand	Thomas	86	293	7	Forths
MTP: A Modem Test Program	Lindberg	David	86	302	8	Communications
OF3210 32 bit Forth Engine	Ting	C.H.	87	3	21	Hardware
32 bit Forth Engine Simulator	Ting	C.H.	87	24	12	Hardware
Novix Decoder	Sjolander	Stephen	87	36	12	Hardware
68000 Binary Code Translator	Saari	Michael	87	48	5	Hardware
Soft-Wired Systems	Haydon	Glen	87	53	4	Soft-Wired Sys
32 bit Forth: Can Anyone Tell the Difference?	Murdock	Michael	87	57	5	Forths
Another Attempt to Tame the 8086	Perry	Michael	87	62	1	Hardware
A Multi-media System	Kelly	Guy M.	87	65	17	Multi-media
525,000 Times Faster than a Mainframe?	Frossman	Nathaniel	87	82	22	Techniques

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Neighborhood Operators for Automata and Image Compression	Illyes Robert	87	104	6	Image Comp
Portability and the Bitness of Forth	Elola Michael	87	110	8	Portability
Some Proposals for Strings in Forth	Smith Robert	87	118	2	Strings
Loops and Conditionals in LAFORTH	Smith Robert	87	120	6	Control Structures
Interpreting Control Structures - The Right Way	Bradley Mitch	87	126	5	Control Structures
Meta-Words in Forth	Hand Thomas	87	131	7	Compilers
The Visual Command Interface	Harralson David W.	87	138	9	Command Interface
Extending Forth's Control Structures into the 1990's	Harralson David W.	87	147	15	Control Structures
Named Stack Variables as Modules	Kelly Guy M.	87	162	6	Stacks
Field and Record Structures	Pelc Stephen	87	168	17	Data Structures
Data Structure Unification	Brakefield James	87	187	4	Data Structures
Networks of Neurons	LaQuey Robert	87	191	10	Networks
Neuralizing SAS: Signal Space, Address Space and Symbol Space	Brakefield James	87	201	7	Neural Nets
Hypertext and Forth	LaQuey Robert	87	208	21	Hypertext
Multiple Code Fields: Object-Oriented Programming in Forth	Shaw George	87	229	20	Objects
Bach Organ Recital on a Six Channel PC Organ	Ting C.H.	87	251	1	Style
Write Once, Read Never	Baden Wil	87	252	5	Style
St. Francis Terminal Input	Baden Wil	87	257	6	Methods
Restarting Forth	Baden Wil	87	263	4	Methods
The Forth Connection with Flowcharts	Baden Wil	87	267	2	Flowcharts
A Network Manager and Controller	Pelc Stephen	87	269	6	Networks
CAD Command Language	Bradley Mitch	87	277	4	Command Lang
Military Forth	Carpenter John	87	281	14	Forths
Milking Forth in a Conventional Software Dev Environment	Korsak Andrew	87	295	6	Software Dev
Chinses Limericks	Ting C.H.	87	301	1	Style
The Simplest Line Drawing Routine	Ting C.H.	87	302	1	Graphics
R&D Forth: An Overview	Perry Dean	87	303	6	Forths
underSTANDING natural languages	Hand Thomas	87	309	4	Natural Language
Nights on the RoundTable, or How I spent my Summer Vacation	Ruffer Dennis	87	315	4	Communications
Forth in an Evolving World	Zimmer Thomas	87	321	5	Forths
The Forth Year in Review	Tracy Martin	87	326	5	Forths
Communicating Forth	Jones R.	87	333	5	Style
FUTHer Forth with LEIBNIZ	Goppold Andreas	87	338	3	Forths
Methods>Object-Oriented Extensions Redux	Rayburn Terry	87	343	13	Objects
LIST: A Generator for Object Oriented Lists	Neubert K.D.	87	356	12	Objects
LISP Kernal for the NC4000	Hoffmann Ulrich	87	368	15	Other Languages
Command Interpreter for Periperal Devices	Schleisiek Klaus	87	383	6	Data Structures
cmFORTH, mpFORTH, the FORTHchip, and Opt Compilers	Pauck M.	87	391	7	Optimizing
The MARC4 - a Forth Based Single Chipper	Stout G.	87	398	15	Hardware
Trainable Neural Nets in Forth	Carpenter John	87	415	22	Neural Nets
Directed Nets pf Rule Sets and a Hybride Search Strategy	Jost T.	87	437	9	Search Strategy
Implementation of an Expert System in Forth	Walter M.	87	446	4	Expert Systems
Music Reader: Convert Music to Machine Read/Play Code	Ting Pei-Tao	88	3	9	Style
Tree Structures	Haydon Glen	88	12	2	Data Structures
MENU: A Forth Menu Compiler	Butterfield Kenneth	88	14	7	Compilers
Incremental Recompiling through Secure Forward References	Elola Mike	88	23	12	Compilers
A General List Processing INTERPRET for F83	Elliott Jeff	88	35	14	List Processing
Compatibility for Floating-Point	Smith Robert	88	49	7	Floating Point
Multi-Tasking the right Way	Hayes John	88	56	16	Multitasking
Dynamic Memory Allocation	Schleisiek-Kern Klaus	88	72	6	Memory Alloc
Foolish Oldman Moving A Mountain - Doc F-PC System	Ting C.H.	88	78	4	Documentation
F-128, Experiments on an 128 bit Forth	Ting C.H.	88	82	11	Hardware
A Self Hosted Embedded Microprocessor	Fraeman Martin	88	95	5	Hardware
Stack Caching in the SC32 Forth Processor	Hayes John	88	100	5	Stacks
Fast Double Unsigned Multiply and Divide	Baden Wil	88	107	1	Mathematics
Lean and Mean Single Pass Adaptive Data Compression	Baden Wil	88	108	4	Data Compression
Co-routines	Baden Wil	88	112	4	Error Handling
Zen and Forth	Ting C.H.	88	116	5	Style
Design of a Data Base for Go Game	Ting C.H.	88	121	8	Data Structures
Trainable Neural Nets on a Novix	Carpenter John	88	131	2	Neural Nets
An Improved Interpreter	Perry Michael	88	133	4	Interpreter
Forth Poetry or Forth Program?	Ting C.H.	89	3	6	Style
A Trail of Bread Crumbs	Midnight Peter	89	9	8	Style
Seeing Forth	Baden Wil	89	17	14	Style
From Pascal to Forth	Mogrenstern Leonard	89	33	12	Other Languages
Binary Radix Sort on 80286, 68010 and RTX2000	Ting C.H.	89	45	6	Sort
An Extensible Optimizer for Compiling Forth	Scott Andrew	89	51	9	Optimizing
Four Different Programmers, Forths, and Computers	Kelly Guy	89	60	10	Forths
Multitasking or Multiple State Machines	Kelly Guy	89	70	5	Multitasking
Graphics Based Smart Windows	Kelly Guy	89	75	7	Graphics
A State Machine Based Drawing Package	Kelly Guy	89	82	4	Graphics

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Communications and State Machines (Abstract)	Kelly Guy	89	86	1	Communications
A 3-D Measurement System Using Object-Oriented Forth	Butterfield Kenneth	89	89	8	Graphics
User-Defined Systems for Pure Mathematics	Wavrik John	89	97	7	Mathematics
CRC Polynomials Made Plain	Baden Wil	89	104	9	Mathematics
Hierarchical Objects from Flat Vocabularies	Elola Mike	89	115	9	Objects
PAI Virtuoso	Prentice Lloyd	89	124	8	Graphics
Programmable Controlled Processing and Graphic Arts	Chen Zuoping	89	132	9	Graphics
Pattern Matching in Forth	Rodriquez Brad	89	143	14	Pattern Matching
Control Flow words from Basis9	Baden Wil	89	157	11	Control Structures
F-PC, Forth for the PC	Zimmer Thomas	89	168	1	Forths
Logic Stack	Ting C.H.	89	171	4	Control Structures
A Cross-Assembler for a Small Interactive Target	Smith Robert	89	175	16	Assembler
A Stack Machine Assembler	Haydon Glen	89	191	4	Assembler
An Object-Oriented Forth Implementation	Abu-Mostafa Ayman	89	197	7	Objects
For think Forthink Forth Ink	Chapman Rob	89	204	1	Style
Smart RAM	Chapman Rob	89	205	5	Smart RAM
Thermal Meter - An approach to Forth FSY63	Chen Zuoping	89	210	15	Thermal Meter
The Harris C Cross Compiler	Hand Thomas	89	225	9	Other Languages
Adding Compiler Security to METHODS>	Hoffmann Ulrich	89	234	5	Compilers
Proposal for Syntax Notation	Rible John	89	239	1	Syntax
Cool-Unifying Class and Prototype Inheritance	Taivalsaari Antero	89	240	9	Objects
A Modular Approach to Robotic Control Systems	Bennett Paul E.	89	251	5	Robotic Control
Two Levels of parallelism, New Approach for Control Sys Design	Blagoev Ljubomir	89	256	11	Control Structures
Software Development System USW	Blagoev Ljubomir	89	267	15	Software Dev
Zug Power Station, An Approach to Trainable Neural Nets	Carpenter John	89	282	10	Neural Nets
Memory Cards and Forth: An Update	Frenger Paul	89	292	6	Memory Cards
A Comp of Coop and Preemptive Concurrent Sched Algorithms	Glass Harvey	89	298	10	Concurrency
XShell: A cross-dev User Interface Concurrent Sched Algorithms	Goddard Roy	89	308	10	Concurrency
dbgx - The Harris RTX-2000 C Language Debugger	Hand Thomas	89	318	8	Debugger
Module Forth	Hoffmann Ulrich	89	326	8	Forths
An RTX Recompile for On-Line Maintenance	Lee Jonathan	89	334	10	Maintenance
A Vision of Transparency	Pelc Stephen	89	344	4	Transparency
A Databased Forth	Raschke Frank	89	348	6	Data Structures
Interactive Remote Compilation for Dev and Machine Integration	Robertson Alan M.	89	354	19	Compilers
Forth and Ocean Bottom Seismograph	Roederer Karsten	89	373	8	Seismograph
Have dot-If dot-Else dot-Then	Scheisiek-Kern Klaus	89	381	4	Control Structures
Programming and Our View of Man	Storjohann Jens	89	385	3	Programming
Some Experiences on Implementing Floating-Point in Forth	Struss Frank	89	388	8	Floating Point
RTX 4000	Van Norman Rick	89	396	6	Hardware
ObjMenu Creating System for Interactive Forth Applications	Vassilev Konstantin	89	402	11	Objects
From Block Files to the Twentieth Century	Waters Andrew	89	413	12	File Systems
Not Screens Nor Files But Words	Weigaard Wolf	89	425	6	File Systems
Forth in Industry	Kelly Guy	90	3	10	Applications
A Simple Communications Monitor	Kelly Guy	90	13	7	Communications
6805 Development on a Budget	McKewan Andrew	90	21	8	Development System
A Multitasker for 68HC11	McKewan Andrew	90	29	9	Multitasking
From Below Ground to Outer Space: Forth at RPC	St. Laurent Ray	90	38	8	Applications
Using a 3-key Keyboard for Text	Sergeant Frank	90	49	21	Techniques
Ear Training	Haydon Glen	90	70	8	Documentation
Yet Another Object-Oriented Program in Forth	Morgenstern Leonard	90	78	11	Compilers
Controlling Serial Devices	Butterfield Kenneth	90	89	10	Communications
Safety Nets for Error Recovery	Morgenstern Leonard	90	101	11	Error Recovery
Generic Stack Operations	Elola Mike	90	112	9	Stacks
Managing Dictionaries as Packages	Sanderson Dean	90	121	5	Vocabularies
Event Management in Process Control	Waterman Jon	90	126	6	Process Control
Virtual Reology	Baden Wil	90	135	9	Control Structures
How Many Forks for Deep Spaghetti	Baden Wil	90	144	6	Control Structures
How to Uncook Spaghetti	Baden Wil	90	150	5	Control Structures
Spaghetti Restructured	Baden Wil	90	155	2	Control Structures
Forth as the Language of Design in a Micro Design Course	Turpin Richard	90	159	4	Education
Approximate Rational Arithmetic	Tang S.Y.	90	163	12	Mathematics
A Study of WEE Groups	Wavrik John	90	175	10	Mathematics
eForth- The Model. Design and implementation	Ting C.H.	90	187	3	Forths
A 32-bit 68000 eForth implementation	Haskell Richard	90	190	12	Forths
The Forth++ C Interface	Knaggs Peter	90	211	6	Interface
Forth as a Command Interpreter	Kopff Paul	90	217	9	Interface
Floating Point in Industrial Control	Spruit Rob	90	226	1	Floating Point
Functional Approximation by Chebyshev Series	Haley Andrew	90	227	7	Mathematics
Deferred Language Translation	Borrell Richard	90	234	12	Language
Proj - a Software Development Project Manager	Bengt-Grahn	90	246	11	Programming
A Forth-Object Compiler and Its Applications	Tombak Mati	90	257	5	Compilers

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FEC - Forth Environment Compiler	Saarsen	Toomas	90	262	5	Compilers
The Beauty of Seperate Systems	Wejgaard	Wolf	90	268	6	Data Structures
Cooperative Systems	Goddard	Roy	90	274	7	Data Structures
Algebraid Specification of Stack Effects for Forth Programs	Poial	Jaanus	90	282	9	Stacks
A Database Project for Forth with the Modula-2 Data Model	Isotamm	Ain	90	291	3	Databaase
A Distributed Forth Environment	Woitzel	Egmont	90	294	10	Compilers
Stand Alone In-Circuit Development with SAB 80535	Franin	Julio	90	304	8	Process Control
uswFRAME - Forth Real-Time Application Meta-Environment	Makaveev	Bozhil	90	312	7	MetaCompiler
Philosophy of Control uswFORTH	Nyagolova	Lozina	90	319	5	Control Words
USW Resource Access eXecutive	Blagoev	Lyubomir	90	324	8	Multitasking
Real-Time Object-Oriented uswFORTH	Blagoev	Lyubomir	90	332	8	Objects
Little Universe and Object Encapsulation	Neubert	Karl-Dietrick	90	340	6	Objects
A Bit of History	Poial	Jaanus	90	346	6	Forths
Forth and Safety Related Systems	Bennett	Paul	90	352	31	Applications
Managing Software Projects Using Forth	Wheatcroft	John	90	383	8	Program Control
Programming of a Experimental Robotic Workcell	Sillitoe	Ian	90	391	12	Forths
Thje Bridge between PLC and Forth	Van Pamelan	Jack	90	403	14	Forths
Forth++ and the Mach-1 Board	Stoddart	William	90	417	8	Implementation
Implementation of a Fast Reading Mulit-Tasking System	Hoffman	U.	90	425	8	Multitasking
Differential File Comparison	Baden	Wil	91	3	13	Code Control
Forth Code Control System	Baden	Wil	91	16	10	Code Control
Documentation Update	Baden	Wil	91	26	6	Documentation
HomeComing Forth	Elola	Mike	91	32	13	Forths
MuP20 Software Simulation and Debugging & eForth	Fox	Jeff	91	45	15	Simulation
Debugging eForth LINDA on a Simulated Network of Forth	Fox	Jeff	91	60	15	Parallel Processing
WISC Technologies: A New Heading	Haydon	Glen	91	75	2	Forth Engines
Embedded Node Collectives	Hendtlass	Tim	91	77	6	Expert Systems
Teaching Interfacing using Forth	Hendtlass	Tim	91	83	10	Education
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Metacompilers Revisited	Kelly	Guy	91	99	17	Metacompiling
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Protecting The Use of the Return Stack	Koluvek	Roland	91	144	7	Security
A Forth Compiler for the 6805	McKewan	Andrew	91	151	5	Forths
QS2: RISCing it all	Rible	John	91	156	4	Forth Engines
A Threaded Microprogram Machine	Rodriquez	Brad	91	160	8	Forth Engines
ANS Forth Validation Suite: Part 3 - Documentation	Ruffer	Dennis	91	168	9	Standards
A 3—Instruction Forth For Embedded Systems Work, MC68HC11	Sergent	Frank	91	177	10	Controllers
Simulation of Life, Death, Mutation and Evolution	Ting	C.H.	91	187	8	Simulation
Catalyst, A Molecular Biology Workstation	Ting	C.H.	91	195	5	Applications
Data Comparator Chip (DCC)	Ting	C.H.	91	200	7	Forth Engines
Hacking CMOS VLSI	Ting	C.H.	91	207	7	Forth Engines
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7th euroFORML Conference	Kern	Marina	91	218	1	Organization
Controlling A Large Commercial Laundry Using Forth	Nelson	N.J.	91	219	14	Applications
A Research Resistance Welding Timer, RTX2000 & ADSP2100	Osman	Keith	91	233	15	Applications
A FMS-Realisation in USW Object-Oriented Environment	Blagoev	Lyubomir	91	248	5	Objects
Forth Computer Based on Intel 8098	Chen	Zuoping	91	253	5	Forths
A Simple Emulator For Programming with Embedded Controllers	Levkov	Chavdar	91	258	1	Emulation
Forth in Networking	Mihailov	Emil	91	259	7	Networking
Forth Activities in the Soviet Union	Baranoff	Sergei	91	266	3	Organization
ANS Forth Update	Bradley	Mitch	91	269	6	Standards
Why Adapt to Forth	Goddard	Roy	91	275	5	Forths
Insufficiencies in Forth - Let's Do Something About It!	Grahn	Bengt	91	280	5	Environment
SMAN—The Ultimate Language Independent Prog Environment	Grahn	Bengt	91	285	5	Environment
Fat Forths and Invisible Technology	Pelc	Stephen	91	290	4	Communications
Property Rights in Computer Software	Walker	David	91	294	15	Applications
Try A Simple Exception Handler	Wejgaard	Wolf	91	309	4	Security
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World's Slowest Maths Routines	Charlton	Gordon	91	330	8	Mathematics
OOF, an Object Oriented Forth	Dahm	Markus	91	338	15	Objects
An Experience of Implementing Modula-2 Compiler via Forth	Tombak	Mati	91	353	1	Compilers
Open Boot Firmware	Bradley	Mitch	91	354	3	Applications
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V.G.A. Graphics and 3-D Animations	Kopff	Paul	91	359	17	Graphics
Forth and TSR—Terminate and Stay Resident	Kopff	Paul	91	376	11	Operating Systems
Compiling Conditional Constructs	Miltika	Tomasz	91	387	4	Control Structures
Stack Checking—a Debugging Aid	Hoffman	Ulrich	91	391	9	Stacks
Multiple Stack-Effects of Forth-Programs	Poial	Jaanus	91	400	7	Stacks
Type Inference in Stack Based Languages	Stoddart	Bill	91	407	15	Data Structures
Forth Computer Aided Education System	Chen	Zuoping	91	422	1	Education
Learn FORTH by FORTH	Nyagolova	Lozina	91	423	3	Education

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euroFORML '91 List of Participants		91	427	1	Organization
The Third China FORML Conference	Zhou Xi	91	431	1	Organization
China Forth Interest Group (CFIG)	Zeng Zhicheng	91	432	1	Organization
Taiwan Forth Language Association	Chen Chin	91	433	2	Organization
Forth Language and Standards	Baden Wil	91	435	2	Standards
8096/98 Forth Development System	Chen Zuoping	91	437	3	Forths
Forth CAE System	Chen Zuoping	91	440	2	CAE
Graphic Capability of Forth	Li Chuyin	91	442	2	Graphics
Automated Animal Feed System—Real Time Multitasking	Shieh Samuel	91	444	4	Applications
A Simulator and Real Time Monitor of MOFA System	Thou Chin-Ning	91	448	8	Simulation
Applying Forth to Electric Discharge Machining	Wu Txeng Tzang	91	456	1	Applications
Timer Driven Forth Application	Wu Txeng Tzang	91	457	5	Timing
A Forth Controlled Electron Beam Welder	Lee Hou Lung	91	462	12	Automation Control
A Data Processing System for Remote Magnetic Sensing	Zeng Zhicheng	91	474	2	Applications
MCS96-FORTH Single Chip Computer	Zeng Zhicheng	91	476	2	Forths
Control Flow in Forth	Baden Wil	91	478	2	Control Flow
Resident Forth	Tseng Ching Tang	91	480	5	Forths
Porting eForth to Z80 and eForth Diagnosis	Chen Ken	91	485	4	Forths
Forth Engines	Ting C.H.	91	489	3	Forth Engines
Internal Structures and Recursions in F-PC	Zhou Xi	91	492	3	Control Structures
Presentations		91	495	1	Organization
Round Table Discussions - Forth Development in China		91	495	4	Organization
Concluding Remarks		91	499	2	Organization
A B-Tree In Forth	Morgenstern Leonard	92	3	11	Data Structures
A Graphics Package for the F—PC	Smiley Mark	92	14	15	Graphics
A Puzzler Solver	Schmidt-Nielsen Brent	92	29	10	Puzzle
A Survey of Image Processing Systems for Personal Computers	Ting C.H.	92	39	7	Image Processing
A Video Camera Based 3D Digitizer and Its Applications	Ting C.H.	92	46	1	Image Processing
Almost Real-time Mandelbrot Plotting System	Ting C.H.	92	47	5	Graphics
Auto Display of Digital Images	Konopka John	92	52	6	Graphics
Design of a Subroutine Threaded Forth for Embedded Systems	Haskell Richard	92	58	5	Forths
Embedding Forth	Baden Wil	92	63	17	Compilers
First & Third almost Forth	Baden Wil	92	80	7	Compilers
How to Pack an Elephant into a Shopping Bag	Baden Wil	92	87	6	Data Compression
IOCCC	Barrett Sean	92	93	2	C
Life that Knows When to Stop	Baden Wil	92	95	3	Games
Live Independently Selling Software You Like	Ragsdale William	92	98	9	Philospphy
Local Variables	Baden Wil	92	107	2	Local Vraiables
Looking for the Moon	Baden Wil	92	109	5	Calander
OK Graffiti	Ting C. H.	92	114	1	CAD
Optimizations in Low Level Forth	Baden Wil	92	115	7	Compilers
Redisplay for a Simple Text Editor	McKewan Andrew	92	122	15	Editors
Common Sense Pattern Classification for Signal Processing	Carpenter John	92	137	8	Pattern Recognition
The First Course	Ting C. H.	92	145	4	Education
Transparent Target Development	Grotke Guy	92	149	10	Target Compilers
Virtual File System	Zimmer Thomas	92	159	11	File System
Vision Sizer Case History	Kendal David	92	170	10	Applications
Object Forth based on classes-The object model of Kevo	Taivalsaari Antero	92	180	17	Objects

