

C O P Y R I G H T N O T I C E

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P R E F A C E

This publication contains a complete set of reprints of Soft Warehouse Newsletters up to, but not including, the current issue. The bug fixes and many of the programs in these Newsletters have been included in the distribution version of muMATH and muLISP. Therefore, much of the content of these Newsletters will only be of historical interest to people who purchased muMATH and/or muLISP recently.

C O N T E N T S

Newsletter #1 -- November 1979

- NL1-1 A TAYLOR Series Expansion Function
- NL1-2 A muSIMP-79 WRITE Command
- NL1-3 A RANDOM Number Generator
- NL1-3 A Non-recursive MATCH Function
- NL1-4 A DRIVER Function Mod to Save Node Space
- NL1-4 Simplified MATRIX and EQUATION Operators
- NL1-5 The DEAR ALGy Column

- NL1-6 METAMIND Program

Newsletter #2 -- March 1980

- NL2-1 MICROSOFT to Distribute muLISP and muMATH
- NL2-2 1980 LISP Conference
- NL2-2 The Small Systems Group's Software Survey

- NL2-2 Errors in the Matrix Package
- NL2-3 The DEAR ALGy Column
- NL2-4 A Summation Package
- NL2-6 A muMATH Function Deparser and Pretty Printer

- NL2-11 A More Efficient DEPTH Function
- NL2-11 A Function Definition Pretty Print Package

Newsletter #3 -- September 1980

- NL3-1 Announcing muLISP/muSTAR-80 and muSIMP/muMATH-80
- NL3-1 LIFEBOAT Associates to Distribute muLISP and muMATH
- NL3-1 SYMSAC '81 -- ACM Symposium on Symbolic and Algebraic Comp.
- NL3-2 PICOMATH-80
- NL3-2 muLISP and muMATH User Groups

- NL3-3 Typographical error in Newsletter #2
- NL3-3 What was "HALF" doing in my answer?
- NL3-3 Hyperbolic Function Package
- NL3-6 Matrix Determinant Package
- NL3-6 Improved FCTR function

- NL3-7 Radix Base Conversion Program
- NL3-7 ANIMAL: A Learning Game

Newsletter #4 -- March 1981

- NL4-1 muMATH and muLISP Reviews
- NL4-1 SYMSAC '81 -- ACM Symposium on Symbolic and Algebraic Comp.
- NL4-1 IJCAI '81 -- International Joint Conference on AI

Newsletter Reprints

NL4-2 Handy muSIMP Utility Functions (BOUND & CLEAR)
NL4-4 A FOR-loop Construct for muSIMP
NL4-7 Bug in the Matrix Package
NL4-7 Bugs in the Integration Package

NL4-8 A Note to Users of muLISP-79 and muSIMP-79 (PUSH & POP)
NL4-8 Dazzler Robot for Blocks World
NL4-9 The Tower of Hanoi Problem

Newsletter #5 -- September 1981

NL5-1 APPLE and TRS-80 Versions of muMATH Released
NL5-1 muLISP and muMATH Reviews

NL5-2 Floating Point Input for muMATH
NL5-2 Floating Point Output for muMATH
NL5-4 Series Approximations of Natural Logarithms
NL5-5 Bug Found in Array Package
NL5-5 Vector Algebra Package

NL5-10 A REDO Command for muSTAR - J. Levinsky
NL5-11 A Fractional Factorial Experiment Design Program
- D. Dunthorn

Newsletter #6 -- March 1982

NL6-1 The 7th West Coast Computer Faire
NL6-1 muMATH and muLISP for the APPLE II Computer
NL6-1 Computer Algebra in Scientific American
NL6-2 The Soft Warehouse Software Contest!

NL6-3 Computation of Determinants using Minor Expansion
NL6-4 Linear Regression Analysis using muMATH
NL6-5 Using the muSIMP Pretty-printer with muSIMP-80
NL6-7 SIGMA plus LIM spells Confusion

NL6-7 Using muSTAR to Create muLISP Source Files
NL6-8 A Lexicographical Radix List Sort

Newsletter #7 -- September 1982

NL7-1 muMATH and muLISP for 8086 and 8088 Based Microcomputers
NL7-1 muMATH Article in 80 Microcomputing
NL7-1 Software Contest Winners

NL7-2 Solving Simultaneous Linear Algebraic Equations
NL7-2 ABSolutely Simple!
NL7-5 Synthetic Division of Polynomials - W. Cope
NL7-7 Those Darn Bugs

NL7-8 SNOMED Diagnostic Coding Program - S. Schwartz
NL7-9 Automatically Saving Definitions While Working With muSTAR

Newsletter #8 -- January 1983

NL8-1 Announcing the AAAI-83 Conference
NL8-1 Recent muMATH Reviews
NL8-1 A "Down Under" muMATH User Group

NL8-2 The SUPER-CALCULATOR: A Scientific Calculator for muMATH
NL8-4 A muSIMP Breakpoint Debugging Facility - S. Messick

NL8-6 A Mini-muLISP Structure Editor - P. Grogono
NL8-9 MACROS: Expanding Your Programming Horizons

Newsletter #9 -- October 1983

NL9-1 Announcing muMATH-83 and muLISP-83
NL9-1 Recent Reviews

NL9-2 A muMATH User Group
NL9-2 A Power-Series Powering - J. Wendel
NL9-3 Collection of Variables - D. Bump
NL9-6 Symmetric Polynomials - D. Bump
NL9-7 Partial Fractions & Other Goodies - A. Head

NL9-11 SOUNDEX Codes - S. Schwartz
NL9-12 Solving General Relativity Problems
NL9-12 Turtle Graphics - R. Sasamori

Newsletter #10 -- April 1984

NL10-1 Recent Reviews and Articles
NL10-2 muMATH and muLISP User Groups

NL10-2 muMATH-83 Quick Reference Card - J. Mayes
NL10-2 Correction to STFORM Program - D. Bump
NL10-3 Approximate Rational Arithmetic - D. Bump
NL10-5 Laplace Transforms - R. Frohne
NL10-8 Fix for muMATH-83 Cubic Equation Solver
NL10-8 An Improvement for Matrix Division
NL10-8 Fix for the Absolute Value Trig Identities

NL10-9 Upcoming LISP & AI Conferences
NL10-9 A Merge Sort Utility for Files

Newsletter #11 -- September 1984

NL11-1 Journal of Symbolic Computation
NL11-1 EUROCAL Computer Algebra Conference
NL11-1 Computer Professionals for Social Responsibility (CPSR)
NL11-2 Byte Comparative LISP Review

NL11-2 muMATH User Group
NL11-3 Implicit Differentiation

Newsletter Reprints

NL11-3 muMATH-83 Bug Fixes
NL11-4 A Simpler Approximate Arithmetic - M. Perelman
NL11-4 Eigenvalues
NL11-5 Simplified DOS Commands from muSIMP
NL11-5 Optional Explicit Multiplication
NL11-6 Selective Substitution, Expansion & Factoring - J. Miller
NL11-7 Approximate Inverse Laplace Transform - K. C. Woo
NL11-8 Integer Factorization - J. Wendel

NL11-9 muLISP-85 Wish List
NL11-9 muLISP User Group
NL11-10 Sieve of Eratosthenes - S. Schwartz
NL11-11 French and Other Accents
NL11-12 Missionaries & Cannibals Puzzle - M. Asato

Newsletter #12 -- February 1985

NL12-1 SOFT WAREHOUSE, INC.
NL12-1 EUROCAL '85
NL12-1 IJCAI '85

NL12-2 muMATH Users
NL12-3 Polynomial Linear Difference Equations - R. Crawford
NL12-4 SUPER-CALCULATOR Fix - E. Neuwirth
NL12-5 Taylor Series Solution of ODEs

NL12-6 muLISP Users
NL12-7 MusicEase (ad)
NL12-8 MaxFACTS (ad)
NL12-9 The Eights Puzzle - P. Harada

Newsletter #13 -- September 1985

NL13-1 muLISP-85 Released
NL13-2 Call for Papers: AAI-86, SYMSAC-86

NL13-2 muMATH Users
NL13-4 muMATH-83 Utility Functions: INTPAR, ZEROARR, MAPINT
NL13-5 Bug Fixes: ALGEBRA.ARI, LOG.ALG, ODEMORE.ODE
NL13-6 MATRIX.ARR Bug Fix
NL13-6 Polynomial Addition Speed Up - A. Head

NL13-9 muLISP Users
NL13-10 MAXFACTS (ad)
NL13-11 LISP-WINDOWS (ad)
NL13-11 An MS-DOS Command Line Reader
NL13-11 Microsoft Mouse Interface Functions
NL13-13 XTRASTAR - F. O'Brien

Newsletter #14 -- March 1986

NL14-1 Change of address
NL14-1 muLISP-86, muLISP-86 Compiler, Microsoft LISP
NL14-2 Upcoming Conferences

NL14-2 Apple II ADIOS to Pascal Conversion Utility - J. Burt
NL14-3 muMATH Users
NL14-4 CURLy Bugs
NL14-4 Those !#* Characters!
NL14-4 Overloaded Backquote
NL14-5 Tracing numerous functions
NL14-5 Tracing much-used muSIMP functions
NL14-6 Automated Building of SYS files - D. Murdoch
NL14-7 Picard Iteration

NL14-8 muLISP Users
NL14-9 A Three-octave Organ Program
NL14-10 muLISP-86 Function Autoload Facility
NL14-11 Office Automation Toolkit (ad)
NL14-12 MaxFACTS: an Expert System Engine (ad)
NL14-13 the Grad Student: Rational Calculator (ad)
NL14-13 LISP-WINDOWS (ad)
NL14-14 DAISY (Expert System) (ad)
NL14-14 muLISP: an unCommon Lisp! (ad)

Newsletter #15 -- September 1986

NL15-1 Upcoming AI Conferences
NL15-2 Recent Articles Concerning muLISP

NL15-2 Improved Routines for Determinants, Matrix Inverses,
Eigenvalues and Eigenvectors
NL15-5 LaGrange Interpolation - R. Crawford
NL15-6 muLOG: Logic Programming in muSIMP (ad)
NL15-6 Absolute Value of Fractional Powers Simplification
- C. R. Hammond
NL15-7 muMATH Users

NL15-9 Available Disk Space Function
NL15-9 A Fully Common LISP Compatible Backquote Facility
- F. Kouno
NL15-11 Blinking Parentheses for the muLISP-86 Editor - J. Mathis,
P. Harada
NL15-11 The muLISP-86 DO Loop Construct
NL15-12 the Grad Student: Rational Calculator (ad)
NL15-12 An Exact Tree Copy Routine - R. Freese
NL15-4 muLISP Users

Newsletter #16 -- June 1987

NL16-1 muLISP-87 Released
NL16-1 Recent muLISP-86 Reviews
NL16-2 Die Programmiersprache LISP
NL16-2 Upcoming Conferences

NL16-3 muMATH-80 Now Being Distributed for the Apple II Family
of Computers
NL16-3 muMATH Lessons Available in French
NL16-3 TAYLOR Series Expansion At Singularities
NL16-4 CALC-87 muMATH Enhancements (ad)
NL16-5 A Faster Alternative to TAYLOR
NL16-6 Run Ragged!
NL16-6 Partial Fractions with Fractional Powers
NL16-7 Integration Extensions - A. Head
NL16-8 muMATH Users

NL16-10 MicroPROUST: A Goal-directed Diagnostic Program
NL16-10 A Directory Compare Utility
NL16-13 A Theorem Prover based on Ordered Linear Resolution
NL16-13 Avoiding Compiler Name Conflicts
NL16-14 muLISP goes "resident"! (ad)
NL16-15 A CASE Macro for muLISP
NL16-16 muLISP Users

Newsletter #17 -- February 1988

NL17-1 Two Books on muMATH Published
NL17-1 Recent muLISP Reviews
NL17-2 Upcoming Conferences

NL17-3 ADIOS muMATH-80 for Apple II Computers
NL17-3 Limit of the Absolute Value Function - J. Aguirregabiria
NL17-3 Taylor Series Expansion (Continued) - P. Joseph
NL17-5 On Using DIFVAR and DEPENDS for Differentiation
NL17-5 muMATH Editor Bug Fix - J. Mathews
NL17-6 muMATH Enhancements - R. Gobeli
NL17-9 Faster Logarithm Approximations - R. Wilson
NL17-9 CALC-87 muMATH Enhancements (ad)
NL17-10 muMATH Users

NL17-11 MusicEase
NL17-11 Simple Transition Network Grammars - J. Dyer
NL17-16 ATN/LISP: Natural Language Parser Development Tool (ad)
NL17-16 muLISP Users

muMATH File Listings

NL7-4	ABS.ALG	08/24/82	
NL11-7	AINVLAP.ALG	01/03/84	K. C. Woo
NL17-7	BFACTOR.DIF	06/18/87	R. Gobeli
NL8-4	BREAK.MUS	01/05/83	S. Messick
NL4-3	CLEAR.MUS	02/25/81	
NL11-4	EIGENMAT.SOL	09/06/84	
NL12-3	FINDPOLY.ALG	01/07/85	R. Crawford
NL5-2	FLOAT.ARI	09/11/81	
NL4-5	FORLOOP.MUS	06/22/84	T. Robinson
NL3-4	HYPPOS.ALG	09/16/80	
NL11-8	IFACTOR.MUS	09/14/84	J. Wendel
NL11-3	IMPDIF.SOL	09/08/84	
NL15-5	LAGRANGE.ALG	03/30/86	R. Crawford
NL10-5	LAPLACE.DIF	05/13/83	R. Frohne
NL5-4	LOGAPX.ALG	09/11/81	
NL15-3	LINALG.MAT	11/29/85	B. Nelson
NL7-3	LINSOLVE.MAT	08/21/82	
NL9-8	PARFRAC.ALG	12/12/83	A. Head
NL5-3	POINT.ARI	09/11/81	
NL9-3	PSPOW.MUS	10/05/83	J. Wendel
NL11-6	SELECT.ALG	03/17/83	J. Miller
NL11-10	SIEVE.LIB	09/05/84	S. Schwartz
NL2-4	SIGMA.ALG	03/01/82	
NL13-7	SPEED.UP	08/08/84	A. Head
NL9-4	STFORM.ALG	07/07/83	D. Bump
NL10-2	STFORM correction		D. Bump
NL9-6	SYMMETRY.STF	07/07/83	D. Bump
NL7-6	SYNDIV.ALG	08/17/82	W. Cope
NL17-4	TAILOR.DIF	02/08/88	P. Joseph
NL16-4	TAILOR.LIM	11/01/86	P. Joseph
NL12-5	TAYODE.DIF	01/01/84	
NL2-6	UNPARSE.MUS	02/12/82	
NL5-7	VECTOR.ARR	06/24/81	

muLISP File Listings

NL3-7	ANIMAL.LSP		
NL14-10	AUTOLOAD.LSP	02/13/86	
NL15-10	BQ.LSP	09/18/86	F. Kouno
NL6-10	DETALT.ARR	02/04/82	
NL16-11	DIRCOMP.LSP	06/17/87	
NL8-7	EDIT.LIB	11/00/83	P. Grogono
NL12-10	EIGHTS.LIB	02/08/85	P. Harada
NL15-13	EXACTCPY.LSP	07/17/86	R. Freese
NL4-10	HANOI.LIB	03/02/81	
NL11-11	LINEEDIT.LIB	08/31/84	
NL8-10	MACRO.LIB	10/00/83	
NL10-9	MERGE.LIB	04/11/84	
NL1-6	METAMIND.LSP		
NL11-12	MISSCANN.LIB	09/13/84	M. Asato
NL13-12	MOUSE.LSP	09/09/85	
NL14-9	ORGAN.LSP	11/02/85	
NL2-12	PRTDEF.LIB	06/24/80	
NL7-9	SAVELIST.LIB	08/31/82	
NL11-10	SIEVE.LIB	09/05/84	S. Schwartz
NL17-14	SIN Interpreter	01/21/88	Language Technologies
NL6-9	SORT.LIB	01/21/82	
NL9-11	SOUNDEX.LIB	10/09/83	S. Schwartz
NL9-13	TURTLE.LIB	10/08/83	R. Sasamori
NL13-14	XTRASTAR.LIB	08/18/85	F. O'Brien