

LISTING OF CUBE LIBRARY

NAME/CUBE ID # TITLE DESCRIPTION LANG DATE INST AUTHOR

LAST UPDATED 02-01-72--TAPES ARE CURFA13 & CURFR13 LANG CODE: A=ALGOL,F=FORTRAN,C=COBOL,D=DATA,XA=XALGOL,G=GTL
 CUBFA. CONTAINS A200001 THRU M200011. CUBER. CONTAINS N000001 TO END. CUBELST/0000007 & CUBELIB/INDEX ARE ON BOTH.
 A THIRD TAPE IN CASIC FORMAT CONTAINS BURROUGHS MATHEMATICAL LIBRARY. THESE PROGRAMS HAVE * BEFORE NAME.
 ALL FILES EXCEPT DATA(CATEGORY Y) ARE ON TAPE AS NAME/CUBE ID #, SUCH AS CTRANCD/A200001, SO THAT THE NAME OF THE
 SOURCE FILE WILL NOT CONFLICT WITH THE NAME OF THE OBJECT PROGRAM

*** DENOTES PROGRAM NOT ON TAPE BUT LISTED FOR INFORMATION.

A. ARITHMETIC ROUTINES

- 1. REAL NUMBERS
- 2. COMPLEX NUMBERS

CTRANC/A200001	CTRANCARDS (ALLOW DECLARATION OF	A	9/1/67	SRI	B,R,BAKER
CTRANFX/A200002	CTRANFEXECUTE (VARIABLES AS COMPLEX	A	9/1/67	SRI	B,R,BAKER
CTRBAS /A200003	CTRBASIC (THESE THREE PROCEDURES MUST	A	9/1/67	SRI	B,R,BAKER
CTRLN1 /A200004	CTRLN1 (BE ON CASTA DISK TO EXECUTE	A	9/1/67	SRI	B,R,BAKER
CTRLN2 /A200005	CTRLN2 (THE ABOVE 2 PROGS. SEE COMMENTS	A	9/1/67	SRI	B,R,BAKER

3. DECIMAL

B. ELEMENTARY FUNCTIONS

- 1. TRIGONOMETRIC

DPSINF /B100001	DOUBLE PRECISION SINE	A	NOV 1963	NASA	BURROUGHS
DPCOS /B100002	DOUBLE PRECISION COSINE	A	NOV 1963	NASA	BURROUGHS
DPTAN /B100003	DOUBLE PRECISION TAN	A	NOV 1963	NASA	BURROUGHS
DPASINE/B100004	DOUBLE PRECISION ARCSINE	A	NOV 1963	NASA	BURROUGHS
DPACOS /B100005	DOUBLE PRECISION ARCCOSINE	A	NOV 1963	NASA	BURROUGHS
DPATAN /B100006	DOUBLE PRECISION ARCTANGENT	A	NOV 1963	NASA	BURROUGHS
DPLOG /B100007	DOUBLE PRECISION LOG	A	NOV 1963	NASA	BURROUGHS
DPEXP /B100008	DOUBLE PRECISION EXPONENTIAL	A	NOV 1963	NASA	BURROUGHS
DPSQRT /B100009	DOUBLE PRECISION SQUARE ROOT	A	NOV 1963	NASA	BURROUGHS

2. HYPERBOLIC

CONFAC/B200001	CONFAC = SINH,COSH,TANH	A	JAN 1964	NASA	J C MORELOCK
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3. EXPONENTIAL AND LOGARITHMIC

4. ROOTS AND POWERS

C. POLYNOMIAL AND SPECIAL FUNCTIONS

- 1. EVALUATION OF POLYNOMIALS
- 2. ROOTS OF POLYNOMIALS

* MRS114 /C200001	REAL ROOTS OF A POLYNOMIAL WITH REAL COEFF., NEWTON-MAEHLI	A	07 01 63	BURR	JOANNE K KONDO
* MRS122 /C200002	PROGRAM FOR FINDING ALL ROOTS OF A GENERAL FUNCTION	A	09 15 63	BURR	R D RODMAN
* MRS131R/C200003	DETERMINE THE ROOTS OF A POLYNOMIAL USING DOWNHILL METHOD	A	07 31 64	BURR	R D RODMAN
* MRS131C/C200004	DETERMINE THE ROOTS OF A POLYNOMIAL USING DOWNHILL METHOD	A	07 31 64	BURR	R,D,RODMAN
* MRS140 /C200005	ROOTS OF A POLYNOMIAL BY THE GRAEFFE RESULTANT PROCEDURE	A	06 15 64	BURR	JOANNE K KONDO
* MRS142 /C200006	REAL ROOTS OF A POLYNOMIAL BY THE SECANT METHOD	A	09 30 64	BURR	JOANNE K KONDO
CPOLY /C200000	CPOLY/TTY=ROOTS OF POLYNOM.(IMAG.COEFF)	A			

NAME/CUBE ID #	TITLE	DESCRIPTION	LANG	DATE	INST	AUTHOR
RPOLY /C200011	RPOLY/TTY=ROOTS OF POLYNOM.(REAL COEF)		A			
POLYOP /C200012	POLYOP/TTY, MANY POLYNOMIAL OPERATIONS FROM TELETYPE		A	JUL 1969	U OF DENVER	WITKIN
3. EVALUATION OF SPECIAL FUNCTIONS						
* MRS136 /C300001	CALC MODIFIED BESSEL FUNCTIONS, FIRST AND SECOND KIND		A	05 04 64	BURR	J.K. KONDO
* MRS132 /C300002	REGULAR BESSEL FUNCTIONS OF THE FIRST AND SECOND KIND		A	05 04 64	BURR	J K KONDO
* MRS133 /C300003	EVALUATE GENERALIZED REAL HYPERGEOMETRIC FUNCTIONS, COMPLEX		A	02 21 64	BURR	ROBT R HAMMERS
* MRS135 /C300004	CALC ANALYTIC CONTINUATION OF THE HYPERGEOMETRIC FUNCTION		A	04 27 64	BURR	ROBT R HAMMERS
* MRS137 /C300005	CALC BESSEL FUNCTIONS FOR INTEGRAL ORDERS & COMPLEX ARG.		A	05 01 64	BURR	J K KONDO
* MRS143 /C300006	HYPERGEOMETRIC SERIES		A	10 05 64	BURR	ROBT R HAMMERS
4. SIMULTANEOUS NON-LINEAR ALGEBRAIC EQUATIONS						
5. SIMULTANEOUS TRANSCENDENTAL EQUATIONS						
D. OPERATIONS ON FUNCTIONS AND SOLUTIONS OF DIFFERENTIAL EQUATIONS						
1. NUMERICAL INTEGRATION						
SIMPS /D100001	SIMPSONS RULE INTEGRATION		A	4/2/65	U OF VA	ACM-ALGO 233
* MRS116 /D100002	EVALUATE AN INTEGRAL BY WEDDLES RULE		A	08 15 63	BURR	ANNE G MACEK
* MRS120 /D100003	EVALUATE AN INTEGRAL USING SIMPSON RULE		A	11 15 63	BURR	ROBT R HAMMERS
* MRS138 /D100004	EVALUATION OF THE ELLIPTIC INTEGRALS, FIRST AND SECOND KIND		A	04 30 64	BURR	STEPHEN MATZNER
2. NUMERICAL SOLUTIONS OF ORDINARY DIFFERENTIAL EQUATIONS						
* MRS112 /D200001	SOLVE A SINGLE FIRST ORDER DIFF. EQ., CLIPPINGER-DIMSDALE		A	06 03 63	BURR	ANNE G MACEK
* MRS113 /D200002	SOLVE ORDINARY DIFF. EQ. WITH RUNGE-KUTTA-NYSTROM STARTING P		A	08 01 63	BURR	A.F.PIXLEY
* MRS126 /D200003	SOLVE FIRST ORDER ORDINARY DIFF. EQ., HAMMINGS METHOD		A	02 01 64	BURR	A F PIXLEY
* MRS127 /D200004	SOLVE A FIRST ORDER DIFF. EQ., CLIPPINGER-DIMSDALE METHOD		A	01 17 64	BURR	ANNE G MACEK
* MRS129 /D200005	SOLVE SYSTEM OF FIRST ORDER ORDINARY DIFF. EQ., MILNE METHOD		A	01 17 64	BURR	PIXLEY AND MACEK
3. NUMERICAL SOLUTIONS OF PARTIAL DIFFERENTIAL EQUATIONS						
LAPLACE/D300001	SOLVES LAPLACE EQ BY METHOD OF DIFFERENCE EQ (SLOR)		XA	SEPT 1971		J. MOLBERG
4. NUMERICAL DIFFERENTIATION						
ANADIFF/D400001	ANALYTIC DIFFERENTIATION		A			DOW
E. INTERPOLATION AND APPROXIMATIONS						
1. TABLE LOOK-UP AND INTERPOLATION						
* MRS103A/F100001	UNIVARIATE INTERPOLATION		A	06 28 63	BURR	R.D.RODMAN
* MRS103B/F100002	BIVARIATE INTERPOLATION		A	06 28 63	BURR	R.D.RODMAN
* MRS109 /E100003	BESSELS INTERPOLATION PROCEDURE		A	06 21 63	BURR	JOANNE K KONDO
* MRS110 /E100004	NEWTONS FORWARD AND BACKWARD INTERPOLATION		A	06 21 63	BURR	JOANNE K KONDO
* MRS111 /F100005	EVERETTS INTERPOLATION PROCEDURE		A	06 14 63	BURR	JOANNE K KONDO
2. CURVE FITTING						
POLYCF1/E200001	POLYNOMIAL CURVE FIT-DOOLITTLE METH.		A	AUG 1963	NASA	R F CRAFTS
LSQFOUR/F200002	LEAST SQUARE FOURIER		A	SEPT 63	NASA	R L STEVENS
POLYCF2/F200004	POLYNOMIAL CURVE FIT MULT. CASES		A	NOV 1963	NASA	EIKE HUETER

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FOURIFR/E200005	EVALUATION OF A FOURIER APPROXIMATION		A	NOV 1963	NASA	EIKE HUETER
* MRS134 /E200006	LEAST SQUARES CURVE FITTING TO A POWER SERIES, AUTO WT. ADJ.		A	04 06 64	BURR	EDGAR EICHORN
* MRS141 /E200007	EVALUATE THE COEFFICIENTS OF AN EMPIRICAL FORMULA, KNOWN PER		A	07 15 64	BURR	STEPHEN MATZNER
* PTS024R/E200008	NON-LINEAR LEAST SQUARES CURVE FITTING		A	06 14 63	BURR	A PAUL OHLSON
LSQFIT /F200010	R0031/TTY-LEAST SQUARE CURVE FIT		A		BURROUGHS	U OF DENVER
4. SURFACE FITTING						
* PTS062 /F300001	FITTING AN N-DIMENSIONAL SURFACE WITH ORTHOGONAL POLYNOMIALS		A	08 31 64	BURR	FDWIN SEIDMAN
* PTS068 /F300002	FEVAL OF ORTHOC POLYS & THEIR PARTIAL DERIV. FOR SURFACE FITS		A	09 01 64	BURR	FDWIN SEIDMAN
F. OPERATIONS ON MATRICES, VECTORS AND SIMULTANEOUS LINEAR EQUATIONS						
SETROW /F000001	SETROWSIZE = EACH ROW SET SEPARATELY		A			U OF VA
1. MATRIX OPERATIONS						
MATROP /F100001	32 OPERATIONS ON MATRICES		A	9/70	U OF D	STATMAN WACKWITZ
COMFIX /F100002	REPLACE DIAG ELEMENTS OF R. MATRIX WITH SQUARED MULT CORR		A	12/68	U OF D	STATMAN RECK
CROSTAR/F100003	BIVARIATE CROSS-TAB		A	12/68	U OF D	STATMAN RECK
MATROP /F100004	MATROP/TTY, MANY MATRIX OPERATIONS FROM TELETYPE		A	FEB 1969	U OF DENVER	WITKIN
* MRS088R/F100005	REDUCE A REAL SYMMETRIC MATRIX TO TRI-DIAG. FORM, GIVENS MET		A	8/15/61	BURR	G.F.L. DIETZEL
* MRS093R/F100006	EVALUATION OF THE INVERSE OF A MATRIX		A	04/01/63	BURR	R.D.RODMAN
* MRS095R/F100007	A SYMMETRIC MATRIX INVERSION ROUTINE		A	04 01 63	BURR	R.D.RODMAN
* MRS096R/F100008	REDUCE ROUND-OFF ERROR OF THE INVERSE MATRIX		A	04/01/63	BURR	R.D.RODMAN
* MRS124 /F100009	MATRIX INVERSION AND MULTIPLICATION WITH COMPLEX ELEMENTS		A	11/15/63	BURR	R.D.RODMAN
2. EIGENVALUES AND EIGENVECTORS						
* MRS087R/F200001	DETERMINE EIGENVALUES=EIGENVECTORS OF REAL SYMMETRIC MATRIX		A	02/15/64	BURR	G.F.L. DIETZEL
* MRS128 /F200002	EIGENVALUES OF A REAL SYMMETRIC MATRIX, GIVENS METHOD		A	01/24/64	BURR	G.F.L. DIETZEL
3. DETERMINANTS						
* MRS092R/F300001	EVALUATION OF A DETERMINATE		A	04/01/63	BURR	R.D.RODMAN
4. SIMULTANEOUS LINEAR EQUATIONS						
* MRS097R/F400001	SOLUTION OF AN N BY M NON-HOMOGENEOUS LINEAR EQUATIONS		A	04/01/63	BURR	R.D.RODMAN
* MRS101 /E400002	SOLVE SIMULTANEOUS LINEAR EQUATIONS, MONTE CARLO METHOD INV.		A	11 23 62	BURR	R.D.RODMAN
* ORS031 /E400003	SOLVE NON-HOMOGENEOUS LINEAR EQUATIONS, PROD FORM OF INVERSE		A	03 30 64	BURR	JOHN R. KESSLER
SIMSOLV/F400010	SIM/SOLVE-TELETYPE-SOLVE 24 SIMUL.FGNS		A			U OF DENVER
G. STATISTICAL ANALYSIS AND PROBABILITY						
0. GENERAL						
* ORS038 /G000001	FACTOR ANALYSIS		A	12 15 64	BURR	CHARLES CLARK
* ORS034A/G000002	MEAN, MIN, MAX, RANGE, SAMPLE SIZE		A	09 15 64		CHARLES CLARK
1. DATA REDUCTION						
CHISQ1 /G100010	CHI/SQUARE =TELETYPE		A			U OF DENVER

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RFMGRAD/G100011	REMOTE/GRADER=TELETYPE	=FOR TEACHERS	A	8/1/67	U OF D	MALCOLM
2. CORRELATION AND REGRESSION ANALYSIS						
MISDATA/G200001	MISSING DATA	CORRELATION	A	1965	U OF D	STATMAN R J HAM
REGRESW/G200002	WESTINGHOUSE	REGRESSION	A	JAN 1967	U OF VA	
CORRFL /G200003	CORRELATIONS==DATA NOT MISSING		A	JAN 1967	U OF D	STATMAN WACKWIT
REGRES1/G200004	MULT. REGRES. BY SIMULT. SOL=SCORES	INPUT ONLY	A	JAN 1967	U OF D	STATMAN
REGRES2/G200005	STEPWISE MULTIPLE REGRESSION		A	JAN 1967	U OF D	STATMAN
REGRES3/G200006	MULT REGRES BY SIMULT SOL==SCORES AND CORREL	INPUT	A	12/68	U OF D	STATMAN RECK
* ORS020 /G200007	SIMPLE REGRESSION ANALYSIS		A	10 25 63		E B SEIDMAN
* ORS025R/G200008	GENERAL MULTIPLE REGRESSION AND CORRELATION ANALYSIS		A	12 20 64	BURR	CHARLES CLARK
* ORS035 /G200009	STEP-WISE MULTIPLE REGRESSION		A	12 01 64	BURR	CHARLES CLARK
CORREL2/G200010	R0301/TTY=BIVARIATE CORRELATION & REGR		A		BURROUGHS==U OF DENVER	
CORREL3/G200011	R0304/TTY=MULT. REGRES AND CORRELATION		A		BURROUGHS==U OF DENVER	
CORRFL4/G200012	R0309A/TTY=STATISTICAL WITH OMISSION		A		BURROUGHS==U OF DENVER	
CORRFL5/G200013	R0309B/TTY-CORRELATION ANALYSIS		A		BURROUGHS==U OF DENVER	
CORMISD/G200014	COMBINATION==M200001+G200001		A	5/28/68	U OF D	STATMAN V. RECK
PARCOR /G200015	PARTIAL CORRELATIONS FROM RAW DATA OR CORR. MATRIX		A	1/70	U OF D	STATMAN CALDWELL
* ORS034R/G200016	CORRELATIONS, MEAN, STD, DEV.		A	09 15 64	BURR	CHARLES CLARK
3. SEQUENTIAL ANALYSIS						
4. ANALYSIS OF VARIANCE						
ANOVA1 /G400001	VARIANCE FOR BALANCED DESIGNS		A		U OF D	STATMAN TATEISHI, CARHAR
ANCOVA1/G400002	ONE WAY COVARIANCE==BMD04V		A	3/9/67	U OF D	STATMAN EICHEL
ANOVA2 /G400003	VARIANCE FOR BALANCED DESIGNS==BMD08V		A	8/16/68	U OF D	STATMAN RECK
ANALVAR/G400004	ONE WAY ANALYSIS OF VARIANCE		A	9/70	U OF D	STATMAN RECK
ANOVAUC/G400005	2-WAY ANAL. OF VARIANCE WITH PROVISION FOR UNEVEN CELLS		A	1/70	U OF D	STATMAN CALDWELL
H. OPERATIONS RESEARCH TECHNIQUES, SIMULATION AND MANAGEMENT SCIENCE						
0. GENERAL						
1. LINEAR PROGRAMMING						
2. NON-LINEAR PROGRAMMING						
3. TRANSPORTION AND NETWORK CODES						
4. SIMULATION MODELING						
LOADAND/H400001	LOADAND/LISTW01	DESCRIBES WALSE & TELLS WHAT TO DO NEXT	D	APR 1969	WESTINGHOUSE	MC QUOWN
WALSE /H400002	WALSE/MESSAGE==EX MESSAGE/FILES WITH FILE DISK=WALSE/H400002		D	APR 1969	WESTINGHOUSE	MC QUOWN
WALSE /H400003	WALSE/SOURCE, IN MC ALGOL==SEE WALSE MESSAGE FOR INSTRUCTIONS		D	APR 1969	WESTINGHOUSE	MC QUOWN
ERRORWA/H400004	ERROROF/WALSE, TO CREATE WALSE/ERRORS==SEE WALSE MESSAGE		D	APR 1969	WESTINGHOUSE	MC QUOWN
5. SIMULATION MODELS						
CALCSIM/H500010	CALCSIM/REMOTE =TELETYPE=DESK CALC		A		U OF D	KURTZ
FCONSIM/H500011	FCONSIM/TTY=MANAGEMENT GAME		A		BURROUGHS==U OF DENVER	
MOHAWK /H500012	SIMULATES A MOHAWK 1320 ON THE B5500 LINE PRINTER		A	JAN 1970	CHASE BRASS	WILES/KARL
6. CRITICAL PATH PROGRAMS						

NAME/CUBE ID #	TITLE	DESCRIPTION	LANG	DATE	INST	AUTHOR
MINPATH/H600001	MINIMUM PATHS IN A TRANSPORT NETWORK		F	JUL 69	INT.	RANK FOR R&D MILLER
7. RESERVED. PLEASE DO NOT USE.						
8. AUXILIARY PROGRAMS						
9. COMBINED						
I. INPUT						
1. BINARY						
2. OCTAL						
3. DECIMAL						
4. BCD (HOLLERITH)						
CDTODSK/I400001	CDTODSK - FOR TEACHER/DU COURSES		A		U OF D	EICHELBERGER
5. (FORMERLY COMPOSITE)						
9. COMPOSITE						
CARDIN /I900001	CARDIN - READS OVERPUNCHES		A	9/18/64	U OF VA	J G WILLIAMS
J. OUTPUT						
1. BINARY						
2. OCTAL						
3. DECIMAL						
4. BCD (HOLLERITH)						
RDDISK /J400001	RDDISK READ/PUNCH DISK FILE		A		U OF D	EICHELBERGER
LISTERB/J400002	LISTER/B--CARD LISTER WITH SEQ CHECKS		A		BURR	G. JONES
LISTERC/J400003	LISTER/C--TAPE, DISK, CARD LISTER		A		BURR	G. JONES
PDLIST /J400004	PD/LIST--LISTS DIRECTORY, PCH DECK		A		BURR	G. JONES
TAPEDIR/J400005	TAPEDIR/LIST--DIR OF A LIR TAPE		A		BURR	G. JONES
DUMPARR/J400006	DUMP/ARRAY--PROCS TO DUMP ARRAYS		A		BURR	G. JONES
DISCAR /J400007	MEDIA-TO-MEDIA UTILITY, DOC IN COMMENT VIA XRFF/JONES		A	9/4/70	BURR-TORONTO	BILL MOIR
TWXPR /J400008	LISTS ALL OR PART OF ANY DISK FILE ON TELETYPE		XA	9/4/70	BURR-TORONTO	BILL MOIR
5. PLOTTING						
PLOTP1 /J500001	PLOT(ON LINE PRINTER)		A		NNG	
* MRS144 /J500002	ROUTINES FOR USE WITH THE CALCOMP PLOTTER		A	01 15 65	BURR	COLLINGE MEYER
REMPLT /J500003	REMOTE FUNCTION PLOTTER.		G	JAN 72	GA TECH	
6. (FORMERLY PLOTTING)						
9. COMPOSITE						
K. INTERNAL INFORMATION TRANSFER						
1. DRUM						
2. RELOCATION						
3. DISK						
4. TAPE						
TAPEDMP/K400001	TAPEDUMP		A		U OF VA	

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5. DIRECT DATA DEVICES						
L. EXECUTIVE ROUTINES						
1. ASSEMBLY						
2. COMPILING						
LOADAND/L200001	LOADAND/	LISTME, TELLS HOW TO GET MC ALGOL DOCUMENTATION	D	FEB, 1969	WESTINGHOUSE	MC QUOWN
MCALGOL/L200002	MCALGOL/	MESSAGE, BASIC DOCUMENTATION FOR MC ALGOL PACKAGE	D	FEB, 1969	WESTINGHOUSE	MC QUOWN
MESSAGE/L200003	MESSAGE/	DIDDLER, SOURCE FOR MESSAGE/FILES (MC ALGOL PACKAGE)	A	FEB, 1969	WESTINGHOUSE	MC QUOWN
ERRORAL/L200004	ERRORAL/	ALGOL, TO FORM "ALGOL/ERRORS" (MC ALGOL PACKAGE)	D	FEB, 1969	WESTINGHOUSE	MC QUOWN
ERRORMC/L200005	ERRORMC/	MCALGOL, TO FORM "MCALGOL/ERRORS" (MC ALGOL PACKAGE)	D	FEB, 1969	WESTINGHOUSE	MC QUOWN
INITIAL/L200006	INITIAL/	MCALGOLSY, SOURCE FOR "INITIAL/MCALGOL" (MC ALG PKG)	A	FEB, 1969	WESTINGHOUSE	MC QUOWN
LANGUAG/L200007	LANGUAG/	LFVEL3, USED BY INITIAL MCLGOL (MC ALGOL PACKAGE)	D	FEB, 1969	WESTINGHOUSE	MC QUOWN
ALGOL /L200008	ALGOL/	PATCHES, WRL PATCH DECK TO MAKE WRALGOL (MC ALG PKG)	A	FEB 1969	WESTINGHOUSE	MC QUOWN
MCALGOL/L200009	MCALGOL/	SOURCE, THE MCALGOL COMPILER (MC ALGOL PACKAGE)	A	FEB 1969	WESTINGHOUSE	MC QUOWN
SNOBOL /L200010	SNOBOL/	FFB69, SNOBOL3 LIST PROCESSING LANGUAGE	A	APR 1969	U OF WISC	CHAMBERS
SNOROL /L200011	SNOROL/	MANUAL--LIST WITH SNOBOL/RUNOFF	D	APR 1969	U OF WISC	CHAMBERS
SNOBOL /L200012	SNOBOL/	RUNOFF--PROGRAM IN SNOBOL TO LIST SNOBOL/MANUAL	D	APR 1969	U OF WISC	CHAMBERS
APL /L200013	APL	A PROGRAMMING LANGUAGE, CONVERSATIONAL	A	MAR, 1971	U OF WASH.	MILLER
APLPTCH/L200014	APLPTCH/	PATCHES FOR APL /L200013	A	MAR, 1971	U OF WASH.	MILLER
GTL /L200015	GTL	GA TECH LANGUAGE(GTL), SEE GTL/L200016 FOR DOCUMENTATION.	A	JAN 72	GA TECH	
GTL /L200016	GTL	DOCUMENTATION.	D	JAN 72	GA TECH	
GTL /L200017	GTL	ALGOL/ERRORS, GTL ERROR MSG FILE	D	JAN 72	GA TECH	
3. MONITORING						
4. PREPROCESSING						
DETAB65/L400001	DETAB65	DECISION TABLE	C	6/8/67		JUG
5. DISASSEMBLY AND DE-RELATIVIZING						
6. RELATIVIZING						
7. COMPUTER LANGUAGE TO COMPUTER LANGUAGE TRANSLATORS						
ALTRAN /L700001	ALTRAN	ALGOL TO FORTRAN TRANSLATOR.	G	JAN 72	GA TECH	
M. DATA HANDLING						
1. SORTING						
KWIC1 /M100001	KWIC1	(CALLS SRTLOCN AND SRTPERM)	A		BURROUGHS	J SKELTON
SRTLOCN/M100002	SRTLOCN	(USED BY KWIC1)	C		BURROUGHS	J SKELTON
SRTPERM/M100003	SRTPERM	(USED BY KWIC1)	C		BURROUGHS	J SKELTON
KWIC2 /M100004	KWIC2		C		NNG	
2. CONVERSION AND/OR SCALING						
MAKMAST/M200001	MAKMAST	PREPARES INPUT FOR MISDATA	A	3/31/65	U OF D	STATMAN EICHEL
CONVIBM/M200002	CONVIBM	CONVERT(7094 WORDS TO 85500 WORDS)	A	3/27/64	NASA	R L STEVENS
BINBCD /M200003	BINBCD	(BINARY TO 8-DIGITS BCD)	A	JAN 1965	NASA	C BANNISTER
OCTBCD /M200004	OCTBCD	OCTAL TO BCD CONVERSION	A	AUG 1963	NASA	EIKE HUETER

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COORD /M200010	COORD/TTY=CONVRT SPHER. & CART. COORD.		A			
TRNSGEN/M200011	LINEAR AND NON-LINEAR TRANSFORMATIONS		A	5/28/68	U OF D	STATMAN RECK
3. MERGING 4. CHARACTER MANIPULATION 5. SEARCHING N. DEBUGGING						
DCDEBUG/N000001	DATA COM/DEBUG		A	5/31/67	U OF WASH	DAN COVILL
1. TRACING; TRAPPING 2. DUMPING 3. MEMORY VERIFICATION AND SEARCHING 4. BREAKPOINT PRINTING O. SIMULATION OF COMPUTERS AND DATA PROCESSORS; INTERPRETERS 1. OFF-LINE EQUIPMENT 2. RESERVED. PLEASE DO NOT USE. 3. COMPUTERS 4. PSEUDO-COMPUTERS						
SYSX /0400001	SYSX (HAS ASSEMBLER & OP SYSTEM)***		A			(GET FROM U OF VA. W. WULF)
9. OTHER OR COMPOSITE P. DIAGNOSTICS						
MODECHG/P000001	MODE-CHANGE (TAPE READ TEST)		A	NOV 63	NASA	BOB STEVENS
Q. SERVICE OR HOUSEKEEPING; PROGRAMMING AIDS						
INDEXPR/Q000001	INDEXPR OF IDENT. IN AN ALGOL PROG.		A	9/18/64	U OF VA	A P BATSON
EDITOR /Q000002	EDITOR		A	7/27/67	REALTIME	LEACH
FLOWCHT/Q000003	FLOWCHT (FLOWCHARTS ALGOL PROGRAM)		A	2/1/68	Y & R	1/70 DOW CHEM
DSKPRN2/Q000004	DSKPRNT/YANDR=PRINTS ANY DISK FILE		A	2/1/68	Y & R	
CLEANDK/Q000005	CLEAN/DISK-MAPS & UNCHECKERBOARDS DISK		A	NOV 68	WESTINGHOUSE	BOWLDEN
LIBMAKE/Q000006	LIBTAPE/MAKER TAPE-TO-TAPE DUMP TAPE COPIER, CHECKER, ETC		A	NOV 68	U OF D	EICHELBERGER
CUBELST/Q000007	CUBELIB/LISTER LISTS CUBELIB/INDEX WITH OPTIONS		C	APR 1969	CHASE BRASS	NEIL KARL
CRFLOW/Q000008	FLOWCHARTS A COBOL PROGRAM		A	APR 1969	WESTINGHOUSE	MC QUOWN
PATCHMG/Q000009	PATCH/MERGER, COMBINES & DOCUMENTS PATCH DECKS		A	APR 1969	WESTINGHOUSE	MC QUOWN
PATCHL /Q000010	PATCH/LISTER, TO LIST FILES FROM PATCH/MERGER, BY PATCH ID		A	1/70	CHASE BRASS	KUZELA
MULTSUB/Q000011	SEARCH & SUBSTITUTE WORD OR PHRASE IN SOURCE DECK					
1. CLEAR/RESET PROGRAMS 2. CHECK SUM ACCUMULATION AND CORRECTION 3. REWIND, TAPE MARK, LOAD CARDS, LOAD TAPE, ETC. PROGRAMS						
CARDCOM/Q300001	CARDCOM (COMPARES TWO CARDS DECKS)		A	7/15/64	U OF VA	A P BATSON
4. INTERNAL HOUSEKEEPING: SAVE, RESTORE, ETC. 5. REPORT GENERATOR SUBROUTINES						

NAME/CUBE ID #	TITLE	DESCRIPTION	LANG	DATE	INST	AUTHOR
XREFJNS/Q500001 IDENT /Q500002	XREF/JONES--ALGOL CROSS-REF & FLOW CHART IDENT/SCANNER		A A		BURR U OF D	G. JONES CARHART
R. LOGICAL AND SYMBOLIC						
1. FORMAL LOGIC						
2. SYMBOL MANIPULATION						
S. INFORMATION RETRIEVAL						
SELSUP /S000001	SELECT/SUPER--RETRIVAL PROGRAM		A		Y & R	
SUPREP /S000002	SUPER/REPORT--REPORT GENERATOR		A		Y & R	
UPDICTS/S000003	UPDICT/SUPER--MAKES DICT FOR SUPER		A		Y & R	
T. APPLICATIONS AND APPLICATION/ORIENTED PROGRAMS						
1. PHYSICS (INCLUDING NUCLEAR)						
2. CHEMISTRY						
* PTS025R/T200001	THE BENEDICT-WEBER-RUBIN EQUATION OF STATE		A	12 01 62	BURR	EDWIN B SEIDMAN
* PTS028 /T200002	CMC. OF THE ENTHALPIES & HEAT CAPACITIES OF LIQUID MIXTURE		A	07 15 63	BURR	A PAUL OLESON
* PTS031 /T200003	CALC OF ENTHALPY OF A NON-IDEAL GASEOUS MIXTURE PARTIAL DER.		A	12 01 63	BURR	MARK N LAYMAN
* PTS033 /T200004	VAPOR-LIQUID EQUILIBRIUM RATIOS FOR LIGHT CARBON SYSTEMS		A	06 12 63	BURR	D. VOSS P OLESEN
* PTS035A/T200005	VAPOR-LIQUID EQUILIBRIUM RATIOS FROM VAPOR PRESSURE DATA		A	11 30 62	BURR	DONALD L VOSS
* PTS035R/T200006	VAPOR-LIQUID EQUILIBRIUM RATIOS FROM VAPOR PRESSURE DATA		A	11 30 62	BURR	DONALD P VOSS
* PTS037A/T200007	VAPOR-LIQUID EQUILIBRIUM RATIOS FROM REL. VOLATILING DATA		A	11 25 63	BURR	OLFSON AND VOSS
* PTS037B/T200008	VAPOR-LIQUID EQUILIBRIUM RATIOS FROM RELATIVE VOLATILITY DATA		A	11 25 63	BURR	OLESON AND VOSS
* PTS039 /T200009	VAPOR-LIQUID EQUILIBRIUM RATIOS FROM RELATIVE VOLATILITY DATA		A	11 25 63	BURR	DONALD L VOSS
* PTS041A/T200010	SELECTION OF VAPOR-LIQUID EQUIL. RATIOS FROM ALGOL PROCEDURES		A	11 25 63	BURR	DONALD L VOSS
* PTS041B/T200011	SELECTION OF VAPOR-LIQUID EQUIL. RATIOS FROM ALGOL PROCEDURES		A	11 25 63	BURR	DONALD L VOSS
* PTS043A/T200012	ACTIVITY COEFFICIENTS OF MULTICOMPONENT SYSTEMS, MARGULE, VAN L		A	09 15 64	BURR	CHIEN-SHIN LU
* PTS043B/T200013	ACTIVITY COEFFICIENTS OF MULTICOMPONENT SYSTEMS, MARGULE, VAN LA		A	09 15 64	BURR	CHIEN-SHIN LU
* PTS043C/T200014	ACTIVITY COEFFICIENTS OF MULTICOMPONENT SYSTEMS, MARGULE, VAN LA		A	09 15 64	BURR	CHIEN-SHIN-LU
* PTS047A/T200015	SELECTION OF LIQUID ENTHALPY VALUES FROM ALGOL PROCEDURES		A	03 10 64	BURR	DONALD L VOSS
* PTS047B/T200016	SELECTION OF LIQUID ENTHALPY VALUES FROM ALGOL PROCEDURES		A	03 10 64	BURR	DONALD L VOSS
* PTS049A/T200017	SELECTION OF LIQUID ENTHALPY VALUES FROM ALGOL PROCEDURES		A	03 15 64	BURR	DONALD L VOSS
* PTS049B/T200018	SELECTION OF LIQUID ENTHALPY VALUES FROM ALGOL PROCEDURES		A	03 15 64	BURR	DONALD L VOSS
* PTS051 /T200019	NON-ADIABATIC FLASH CALCULATIONS FOR HYDROCARBON MIXTURES		A	03 15 64	BURR	A. D. OLESON
* PTS053 /T200020	ISOTHERMAL AND ISOBARIC FLASH CALCULATIONS		A	10 01 63	BURR	DONALD L VOSS
* PTS055 /T200021	DEW-POINT AND BURBLE-POINT CALCULATIONS		A	11 25 63	BURR	DONALD L VOSS
* PTS057 /T200022	GENERAL NON-ADIABATIC FLASH CALCULATIONS		A	11 25 63	BURR	DONALD L VOSS
* PTS061 /T200023	ADIABATIC FLASH CALCULATIONS FOR HYDROCARBON MIXTURES, WATER		A		BURR	
* PTS065 /T200024	TRAY CALC FOR MULTIPLE-FEED MULTI-LE-DRAW ABSORBERS-STRIPPERS		A	10 01 63	BURR	OLFSON & LAYMAN
* PTS067 /T200025	MULTI-FEED MULTI-DRAW ABSORBERS & STRIPPERS MULPHREE TRAYS		A	02 28 64	BURR	A. P. OLESON
* PTS071 /T200026	PERFORMANCE CALC FOR COMPLEX DISTILLATION COLS, THEOR TRAYS		A	10/12/64	BURR	WANG LAYMAN
* PTS072 /T200027	PATHS AND LOOPS IN A NETWORK		A	12 01 64	BURR	YUI L WANG
3. OTHER PHYSICAL SCIENCES (GEOLOGY, ASTRONOMY, ETC.)						
* DS029 /T300001	UNIT CELL CONSTANTS & POSSIBLE INDEX COMB. FOR A WAVELENGTH		A	04 30 63	BURR	R. T. OLLIVIER
* DS030 /T300002	ATOMIC DISTANCES AND BOND ANGLES		A	03 30 64	BURR	EICHHORN MATZNER

NAME/CUBE ID #	TITLE	DESCRIPTION	LANG	DATE	INST	AUTHOR
* DS031 /T300003	FIT A PLANE TO A SET OF POINTS BY LEAST SQUARING		A	04 06 64	BURR	EICHHORN MATZNER
4. ENGINEERING						
* CFS010 /T400001	A TRAVERSE CLOSURE PROGRAM		A	09/09/68	BURR	VICTOR BERMAN
* CFS013 /T400002	DESIGN OF REINFORCED CONCRETE FIXED END BEAMS		A	9/ 9/ 68	BURR	VICTOR BERMAN
* CES014 /T400003	DESIGN OF REINFORCED CONCRETE TIED COLUMNS		A	9/9/68	BURR	VICTOR BER
* CES012 /T400004	PIPE STRESS ANALYSIS	A	A	9/9/68	BURR	VICTOR BERMA
5. BUSINESS DATA PROCESSING						
6. MANUFACTURING, (NON-DATA) PROCESSING, AND PROCESS CONTROL						
7. MATHEMATICS AND APPLIED MATHEMATICS						
8. SOCIAL AND BEHAVIORAL SCIENCES AND PSYCHOLOGY						
FACVAR /T800001	FACVAR (ORIGINALLY RMD=17)		A		U OF D	EICH, CARH.
MAXPLAN/T800002	OBLIQUE ROTATION OF FACTOR MATRIX		A	1/70	U OF D	STATMAN EBER
PRNCX1 /T800003	PRNCX1 FROM BMD=17 AND RMD03M		A	1960	U OF D	J H WACKWITZ
PRNCX2 /T800004	PRIN. FACT. ANAL. BY JACORI SIMULT SOLUTION		A	1965	U OF D	STATMAN WACKWITZ
PRNCX3 /T800005	PRIN FACT. ANAL. BY SUCCESSIVE SOL. WITHOUT RESIDUALS		A	1966	U OF D	STATMAN WACKWITZ
VARMAX /T800006	VARMAX ROTATION OF FACTOR MATRIX		A	3/9/67	U OF D	STATMAN WACKWITZ
PRNCX4 /T800007	PRIN. FACT. ANAL. BY SUCCESSIVE SOL. WITH RESIDUALS		A	5/68	U OF D	STATMAN RECK
STANSRS/T800008	STANDARD SCORES		A	5/68	U OF D	STATMAN RECK
BMD01D /T800009	BMD01D SIMPLE DATA DESCRIPTION		F	JAN 1970	U OF D	UCLA
BMD01M /T800010	BMD01M PRINCIPAL COMPONENT ANALYSIS		F	JAN 70	UCLA	LOVELACE
BMD03M /T800011	BMD03M FACTOR ANALYSIS		F	JAN 70	UCLA	LOVELACE
BMD02R /T800012	BMD02R STEPWISE REGRESSION		A	JAN 1970	U OF D	UCLA
BMD05R /T800013	BMD05R POLYNOMIAL REGRESSION		F	JAN 70	UCLA	LOVELACE
BMD06R /T800014	BMD06R ASYMPTOTIC REGRESSION (NOW WORKS)		F	9/4/70	UCLA	LOVELACE
BMD03S /T800015	BMD03S PROBIT ANALYSIS		A	7/5/68	UCLA	LOVELACE
BMD02T /T800016	BMD02T TIME SERIES ANALYSIS		F	JAN 1970	U OF D	UCLA
BMD01V /T800017	BMD01V ANALYSIS OF VARIANCE		F	7/5/68	UCLA	LOVFLACE
BMD02V /T800018	BMD02V ANALYSIS OF VARIANCE		F	7/5/68	UCLA	LOVELACE
BMD05VA/T800019	BMD05V GENERAL LINEAR HYPOTHESIS (DOES NOT COMPILE)		A	7/5/68	UCLA	LOVELACE
BMD05VF/T800020	BMD05V GENERAL LINEAR HYPOTHESIS		F	JAN 70	UCLA	LOVELACE
BMD06V /T800021	BMD06V GENERAL LINEAR HYPOTHESIS (DOES NOT WORK)		A	7/5/68	UCLA	LOVELACE
BMDX85 /T800022	BMDX85 NON-LINEAR LEAST SQUARES (DOES NOT WORK)		F	7/5/68	UCLA	LOVELACE
BMD04M /T800023	DISCRIMINATE ANALYSIS FOR TWO GROUPS		F	JUL 69	UCLA	U OF DENVER CALDWEL
BMD05M /T800024	DISCRIMINATE ANALYSIS FOR SEVERAL GROUPS		F	JUL 69	UCLA	U OF DENVER CALDWEL
BMD03R /T800025	MULTIPLE REGRESSION WITH CASE COMBINATIONS		F	9/4/70	UCLA	LOVELACE
BMD09S /T800026	TRANSGENERATIONS		F	9/4/70	UCLA	LOVELACE
PRNCX5 /T800027	PRNCX3 WITH OPTIONS FOR SUCC APPRO TO COMMUNALITIES		A	9/70	U OF D	STATMAN FOSTER
9. BIOLOGICAL SCIENCES						
U. LINGUISTICS AND LANGUAGES						
V. GENERAL PURPOSE UTILITY SUBROUTINES						
FMTGEN /V000001	OBJECTFMTGEN (READ-IN FORMATS)		A		U OF D	F CARHART
FIXFORM/V000002	FIXFORM (READ-IN FORMATS)		A		USAF	S SCHLUTER
DOCUMNT/V000003	BUILDS DISK OR TAPE FILES FOR MOTOROLA MDR=1000 DOC READER		A	1/70	CHASE BRASS	KARL

NAME/CUBE ID #	TITLE	DESCRIPTION	LANG	DATE	INST	AUTHOR
COPARF /V0100AA	COMPARES TWO MULTIFILE TAPES		A	12/68	BURR	UTILITY LIBRARY
DCMAP /V0101AA	DISK DIR. LISTED ON TTY		A	12/68	BURR	UTILITY LIBRARY
DISKMAP/V0102AA	HEADING AND ADDRESS OF DISK FILES		A	12/68	BURR	UTILITY LIBRARY
DECKSEQ/V0103AA	SEQUENCES SOURCE DECKS		A	12/68	BURR	UTILITY LIBRARY
KRUNCH /V0104AA	KRUNCHES ALGOL SOURCE PROGRAM		A	12/68	BURR	UTILITY LIBRARY
SELECT /V0105AA	SEL & PRINT FM PRIN BACKUP TAPE		A	12/68	BURR	UTILITY LIBRARY
SORTGEN/V0106AA	GENS ALGOL PROG FOR A SORT		A	12/68	BURR	UTILITY LIBRARY
UNKRNCH/V0107AA	REFORMATS ANY ALGOL SOURCE PROG		A	12/68	BURR	UTILITY LIBRARY
CARDPRN/V0108AA	LISTS CARDS OR DISK FILE		A	12/68	BURR	UTILITY LIBRARY
TAPEPRN/V0109AA	LISTS SYMBOLIC TAPE(X,56,10)		A	12/68	BURR	UTILITY LIBRARY
CARDPCH/V0110AA	PUNCHES FM CARDS OR DISK FILE		A	12/68	BURR	UTILITY LIBRARY
PARTCRD/V0111AA	LISTS 72 COLS OF CARD OR DISK FILE		A	12/68	BURR	UTILITY LIBRARY
PATCH /V0112AA	MAKES NEW SYMBOL TAPE FM PATCHES		A	12/68	BURR	UTILITY LIBRARY
TAPEDMP/V0113AA	PRINTS TAPE OF UNKNOWN FORMAT		A	12/68	BURR	UTILITY LIBRARY
DSKXREF/V0114CA	XREF COBOL SOURCE DECK FM DISK		C	12/68	BURR	UTILITY LIBRARY
CRDXREF/V0115CA	XREF COBOL SOURCE CARDS OR TAPE		C	12/68	BURR	UTILITY LIBRARY
MULTIPL/V0116AA	MEDIUM TO MEDIUM CONVERSION		A	12/68	BURR	UTILITY LIBRARY
TAPEPCH/V0117CA	TAPE-TO-CARD		C	12/68	BURR	UTILITY LIBRARY
DISKPCH/V0118CA	DISK-TO-CARD		C	12/68	BURR	UTILITY LIBRARY
DIRCTRY/V0119CA	COMPLETE DISK DIRECTORY LISTING		C	12/68	BURR	UTILITY LIBRARY
DUMPLST/V0120CA	LISTS LOG WITHOUT RESETTING		C	12/68	BURR	UTILITY LIBRARY
MAKSOLT/V0121CA	MAKES SOLT FM CARDS OR TAPE		C	12/68	BURR	UTILITY LIBRARY
PCHSOLT/V0122CA	SOLT TAPE-TO-CARDS		C	12/68	BURR	UTILITY LIBRARY
PBDBPT /V0123AA	MAKES PB TAPE FROM PB DISK FILE		A	12/68	BURR	UTILITY LIBRARY
BICOMP /V0124AA	BINARY CARD READ & COMPARE		A	12/68	BURR	UTILITY LIBRARY

1. RANDOM NUMBER GENERATORS

RANDOM /V100001 RANDOM

A 10/7/64 U OF VA WM A WULF

2. COMBINATORIAL GENERATORS PERMUTATIONS, COMBINATIONS, AND SUBSETS

MAXLIST/V200001 MAX (GETS MAX OR MIN VAL FROM A LIST)

A SRI

Y. DATA FILES (IN DISK FORMAT REQUIRED BY THE PROGRAM USING THEM. NOTE THAT THEY ARE ON TAPE UNDER "REAL" NAMES.)

DETABD /Y000001	DETAB TEST DATA		D	6/8/67	JUG	
FCONDAT/Y000002	FIRST/FCSIM, DATA FOR FIRST QUARTER FOR USE WITH ECONSIM/TTY		D	NOV 68	U OF DENVER	LUCAS
TTY1 /Y100001	TTY1/SAVE (COURSE FOR TEACHER)		D		U OF D	EICHELBERGER
ADDTEST/Y100002	ADDTEST/SAVE (COURSE FOR TEACHER)		D		U OF D	EICHELBERGER
PEOPLE /Y100003	PEOPLE/SAVE (COURSE FOR TEACHER)		D		U OF D	F B LUCAS
CORSWT /Y100004	CORSWT/SAVE (COURSE FOR TEACHER)		D		U OF D	MALCOLM
JES1 /Y100005	JES1/SAVE (COURSE IN ALGOL FOR TEACHER)		D		BURROUGHS	J SKELTON
DRILL1 /Y100006	DRILL1/SAVE (COURSE FOR TEACHER)		D		U OF D	EICHELBERGER
DRILL2 /Y100007	DRILL2/SAVE(COURSE FOR TEACHER)		D		U OF D	EICHELBERGER
KOURSEF /Y100008	KOURSEF/SAVE(COURSE FOR TEACHER)		D		U OF D	M MALCOLM
SFQNO /Y100009	SFQNO/SAVE (COURSE FOR TEACHER)		D		U OF D	R HOFFMAN
HELLO /Y100010	HELLO/SAVE (COURSE FOR TEACHER)		D		U OF D	EICHELBERGER
CAPITAL/Y100011	CAPITAL/SAVE (COURSE FOR TEACHER)		D		U OF D	V TYNES

NAME/CUBE ID #	TITLE	DESCRIPTION	LANG	DATE	INST	AUTHOR
SIGDIG /Y100012	SIGDIG/SAVE (COURSE FOR TEACHER)		D		U OF D	D MILLER
PRIMFS /Y100013	PRIMES/SAVE(COURSE FOR TEACHER)		D		U OF D	DR GREENBERG
CUBELIB/Y200001	CUBELIB/INDEX , DATA FILE FOR THIS INDEX		D	11/24/68	U OF D	EICHELBERGER
TEACHER/Y200002	TEACHER/0000075, TEACH FILE FOR REMOTE CARD		D	AUG 68	BURROUGHS	RON BRODY
TEACHER/Y200003	TEACHER/0000094, DOCUMENTATION FOR R/C,MULT USER REMOTE CARD		D	JAN 72,	BURR	RON BRODY
CONTENT/Y200004	DOCUMENTATION FOR BURROUGHS UTILITY LIBRARY		D	12/68	BURROUGHS	DETROIT
SORTDOC/Y200005	ITD SORT INTRINSIC FLOW CHART (WITH XREF/JONFS)		D	JAN 69	BURR-PASADENA,	GREGORY
ELIZA /Y200006	ELIZA/SCRIPT DATA FOR ELIZA/Z1000010		G	JAN 72	GA TECH	
ERRIN /Y200007	ERROR/INPUT, DATA FOR ERRSRC/Z100011		D	JAN 72	GA TECH	
HELPFIL/Y300001	HELPFIL/CARDS, USED BY WIPL		D	JAN 71	U OF WISC	HARRIS
ERRORS /Y300002	ERRORS/CARDS, USED BY WIPL		D	JAN 71	U OF WISC	HARRIS
LOANPAY/Y300003	LOANPAY/CARDS, SAMPLE PROGRAM FOR WIPL		D	OCT 68	U OF WISC	HARRIS

Z. ALL OTHERS

TEACH6 /Z100001	TEACHER (GIVES ANY CAT COURSE)	SINGLE-USER VERSION (6)	A		U OF D	EICHELBERGER
TEACH8 /Z100002	TEACHER/DUB==MULT USER TEACHER VERSION		A	1/2/68	U OF D	SKELTON
CRFATE /Z100003	CRFATE/FILE==CREATES DISK FILES		A	1/15/68	U OF D	EICHELBERGER
RCSY75 /Z100004	REMOTE/CARD CREATES, EDITS, ETC DISK FILES FROM TELETYPE		A	AUG 68	BURROUGHS	RON BRODY
UPDATE /Z100005	UPDATE/TEACHER,UPDATES TEACHER FILE FOR REMOTE/CARD		A	AUG 68	BURROUGHS	RON BRODY
RCSY94 /Z100006	R/C,REMOTE/CARD MULTIPLE USER VERSION		A	JAN 72,	BURR	RON BRODY
UWISMFM/Z100007	UWISC/MEMORY, SAMPLES CORP IN USE FROM A TELETYPE		A	JAN 69	U OF WISC	JANOSKI
SCANFIL/Z100008	SCAN/FILE, LISTS ANY TYPE OF FILE ON DISK FROM TELETYPE		A	JAN 69	USAEC, FT. MON.-	WARSHAWE
RECORD2/Z100009	LISTS 1 RECORD AT A TIME ON TTY FROM DISK OR TAPE		A	1/70	CHASE BRASS	KUZELA
ELIZA /Z100010	INTERACTICE PSYCHIATRIST PROG.		G	JAN 72	GA TECH	
ERRSRC /Z100011	GTL ERROR MSG FILE GENERATOR.		G	JAN 72	GA TECH	
NEXTONE/Z200001	NEXTONE (GETS NEXT ITEM FROM LIST)		A		S R I	
JOBFIN /Z200002	JOBFINISH (PRINTS TIME & COST)		A	AUG 1964	NASA	L BANNISTER
GPF /Z200003	GREATEST PRIME FACTOR		A	MARCH 65	NASA	L E SHANNON
TICTAC /Z200010	TICTAC/TTY TIC-TAC-TOE GAME		A	JULY 1967	BURR==MOD BY	U OF D
WIPL /Z300001	WIPL/WIPL EXTENDED REMOTE PROGRAMMING LANGUAGE		A	JAN 71	U OF WISC	HARRIS
OMNITAR/Z300002	A LANGUAGE BASED ON ENGLISH RATHER THAN ALGEBRAIC SYNTAX		F	SEPT 68	IOWA ST/NATC	PATUXENT
WIPL /Z300003	PATCH DECK FOR WIPL/Z300001		A	JAN 72	GA TECH	
EXAMPLE/Z400001	EXAMPLE/COMPLEX, EXAMPLE USING GTL		G	JAN 72	GA TECH	
EXAMPLE/Z400002	EXAMPLE/DOUBLE, EXAMPLE USING GTL		G	JAN 72	GA TECH	
EXAMPLE/Z400003	EXAMPLE/LISP, EXAMPLE USING GTL		G	JAN 72	GA TECH	
EXAMPLE/Z400004	EXAMPLE/RECORD, EXAMPLE USING GTL		G	JAN 72	GA TECH	
EXAMPLE/Z400005	EXAMPLE/REVERSE, EXAMPLE USING GTL		G	JAN 72	GA TECH	
EXAMPLE/Z400006	EXAMPLE/SENTENC EXAMPLE USING GTL		G	JAN 72	GA TECH	
EXAMPLE/Z400007	EXAMPLE/STRING, EXAMPLE USING GTL		G	JAN 72	GA TECH	
EXAMPLE/Z400008	EXAMPLE/SYNTAX, EXAMPLE USING GTL		G	JAN 72	GA TECH	

TAPE DIRECTORY FOR B5700 TAPE ---CUBEA13/FILE000--- TAPE CREATION DATE: 08/07/72
 (THERE ARE 103 FILES ON THE TAPE)

B5700

TAPE CUBEA13

AS ON TAPE	SORTED BY 1ST, 2ND ID	SORTED BY 2ND, 1ST ID
CUBELIB INDEX	ALGOL ERRORS	CTRANCD A200001
CUBELST 0000007	ALGOL L200008	CTRANEX A200002
CTRANCD A200001	ALTRAN L700001	CTRBAS A200003
CTRANEX A200002	ANADIFF D400001	CTRLN1 A200004
CTRBAS A200003	ANALVAR G400004	CTRLN2 A200005
CTRLN1 A200004	ANCOVA1 G400002	DPSINE B100001
CTRLN2 A200005	ANOVA1 G400001	DPCOS B100002
DPSINE B100001	ANOVA2 G400003	DPTAN B100003
DPCOS B100002	ANOVAUC G400005	DPASINE B100004
DPTAN B100003	APLPTCH L200014	DPACOS B100005
DPASINE B100004	APL L200013	DPATAN B100006
DPACOS B100005	BINBCD M200003	DPLOG B100007
DPATAN B100006	CALCSIM H500010	DPEXP B100008
DPLOG B100007	CARDIN I900001	DPSQRT B100009
DPEXP B100008	CDTODSK I400001	CONFRAC B200001
DPSQRT B100009	CHISQ1 G100010	CPOLY C200010
CONFRAC B200001	COMFIX F100002	RPOLY C200011
CPOLY C200010	CONFRAC B200001	POLYOP C200012
RPOLY C200011	CONVIRM M200002	SIMPS D100001
POLYOP C200012	COORD M200010	LAPLACE D300001
SIMPS D100001	CORMISD G200014	ANADIFF D400001
LAPLACE D300001	CORREL2 G200010	POLYCF1 E200001
ANADIFF D400001	CORREL3 G200011	LSQFOUR E200002
POLYCF1 E200001	CORREL4 G200012	POLYCF2 E200004
LSQFOUR E200002	CORREL5 G200013	FOURIER E200005
POLYCF2 E200004	CORREL G200003	LSQFIT E200010
FOURIER E200005	CPOLY C200010	ALGOL ERRORS
LSQFIT E200010	CROSTAB F100003	SETROW F000001
SETROW F000001	CTRANCD A200001	MATROP F100001
MATROP F100001	CTRANEX A200002	COMFIX F100002
COMFIX F100002	CTRBAS A200003	CROSTAB F100003
CROSTAB F100003	CTRLN1 A200004	MATROP F100004
MATROP F100004	CTRLN2 A200005	SIMSOLV F400010
SIMSOLV F400010	CUBELIB INDEX	CHISQ1 G100010
CHISQ1 G100010	CUBELST 0000007	REMGRAD G100011
REMGRAD G100011	DETAB65 L400001	MISDATA G200001
MISDATA G200001	DISCAR J400007	REGRESW G200002
REGRESW G200002	DPACOS B100005	CORREL G200003
CORREL G200003	DPASINE B100004	REGRES1 G200004
REGRES1 G200004	DPATAN B100006	REGRES2 G200005
REGRES2 G200005	DPCOS B100002	REGRES3 G200006
REGRES3 G200006	DPEXP B100008	CORREL2 G200010
CORREL2 G200010	DPLOG B100007	CORREL3 G200011
CORREL3 G200011	DPSINE B100001	CORREL4 G200012
CORREL4 G200012	DPSQRT B100009	CORREL5 G200013
CORREL5 G200013	DPTAN B100003	CORMISD G200014
CORMISD G200014	DUMPARR J400006	PARCOR G200015
PARCOR G200015	ECONSTM H500011	ANOVA1 G400001
ANOVA1 G400001	ERRORAL L200004	ANCOVA1 G400002
ANCOVA1 G400002	ERRORMC L200005	ANOVA2 G400003

ANOVA2	G400003	ERRORWA	H400004	ANALVAR	G400004
ANALVAR	G400004	FOURIER	E200005	ANOVAUC	G400005
ANOVAUC	G400005	GTL	L200015	LOADAND	H400001
LOADAND	H400001	GTL	L200016	WALSE	H400002
WALSE	H400002	INITIAL	L200006	WALSE	H400003
WALSE	H400003	KWIC1	M100001	ERRORWA	H400004
ERRORWA	H400004	KWIC2	M100004	CALCSIM	H500010
CALCSIM	H500010	LANGUAG	L200007	ECONSIM	H500011
ECONSIM	H500011	LAPLACE	D300001	MOHAWK	H500012
MOHAWK	H500012	LISTERB	J400002	MINPATH	H600001
MINPATH	H600001	LISTERC	J400003	CDTODSK	I400001
CDTODSK	I400001	LOADAND	H400001	CARDIN	I900001
CARDIN	I900001	LOADAND	L200001	CUBELIB	INDEX
RDDISK	J400001	LSQFIT	E200010	RDDISK	J400001
LISTERB	J400002	LSQFOUR	E200002	LISTERB	J400002
LISTERC	J400003	MAKMAST	M200001	LISTERC	J400003
PDLIST	J400004	MATROP	F100001	PDLIST	J400004
TAPEDIR	J400005	MATROP	F100004	TAPEDIR	J400005
DUMPARR	J400006	MCALGOL	L200002	DUMPARR	J400006
DISCAR	J400007	MCALGOL	L200009	DISCAR	J400007
TWXPRT	J400008	MESSAGE	L200003	TWXPRT	J400008
PLOTP1	J500001	MINPATH	H600001	PLOTP1	J500001
REPLT	J500003	MISDATA	G200001	REPLT	J500003
TAPEDMP	K400001	MOHAWK	H500012	TAPEDMP	K400001
LOADAND	L200001	OCTBCD	M200004	LOADAND	L200001
MCALGOL	L200002	PARCDR	G200015	MCALGOL	L200002
MESSAGE	L200003	PDLIST	J400004	MESSAGE	L200003
ERRORAL	L200004	PLOTP1	J500001	ERRORAL	L200004
ERRORMC	L200005	POLYCF1	E200001	ERRORMC	L200005
INITIAL	L200006	POLYCF2	E200004	INITIAL	L200006
LANGUAG	L200007	POLYOP	C200012	LANGUAG	L200007
ALGOL	L200008	RDDISK	J400001	ALGOL	L200008
MCALGOL	L200009	REGRES1	G200004	MCALGOL	L200009
SNOBOL	L200010	REGRES2	G200005	SNOBOL	L200010
SNOBOL	L200011	REGRES3	G200006	SNOBOL	L200011
SNOBOL	L200012	REGRESW	G200002	SNOBOL	L200012
APL	L200013	REMGRAD	G100011	APL	L200013
APLPTCH	L200014	RFMPLT	J500003	APLPTCH	L200014
GTL	L200015	RPOLY	C200011	GTL	L200015
GTL	L200016	SETROW	F000001	GTL	L200016
ALGOL	ERRORS	SIMPS	D100001	DETAB65	L400001
DETAB65	L400001	SIMSOLV	F400010	ALTRAN	L700001
ALTRAN	L700001	SNOBOL	L200010	KWIC1	M100001
KWIC1	M100001	SNOBOL	L200011	SRTL0CN	M100002
SRTL0CN	M100002	SNOBOL	L200012	SRTPERM	M100003
SRTPERM	M100003	SRTL0CN	M100002	KWIC2	M100004
KWIC2	M100004	SRTPERM	M100003	MAKMAST	M200001
MAKMAST	M200001	TAPEDIR	J400005	CONVIBM	M200002
CONVIBM	M200002	TAPEDMP	K400001	BINBCD	M200003
BINBCD	M200003	TRNSGFN	M200011	OCTBCD	M200004
OCTBCD	M200004	TWXPRT	J400008	COORD	M200010
COORD	M200010	WALSE	H400002	TRNSGEN	M200011
TRNSGEN	M200011	WALSE	H400003	CUBELST	Q000007

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