

Solid State Software		TI ©1977	
MASTER LIBRARY DIAGNOSTIC		ML-01	
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Solid State Software		TI ©1977	
DETERMINANT, MATRIX, & SIMUL. EQ.		ML-02	
$i \rightarrow x_i$	$\rightarrow A^{-1}$	$j \rightarrow a_{ij}^{-1}$	$\rightarrow A , A^{-1}$
n	$j; a_{ij}$	$\rightarrow A $	$i; b_i$

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MATRIX ADDITION AND MULTIPLICATION		ML-03	
$j; c_{ij}$	$i; x_i$	$\rightarrow Ax$	$i; y_i$
m,n	$j; a_{ij}$	$j; b_{ij}$	λ_1, λ_2

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COMPLEX ARITHMETIC		ML-04	
Y	$\rightarrow X-Y$	$\rightarrow X \div Y$	$\rightarrow \log_y X$
X	$\rightarrow X+Y$	$\rightarrow X \times Y$	$\rightarrow Y^X$

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COMPLEX FNCTIONS		ML-05	
$\rightarrow \ln X$	$\rightarrow e^X$		
X	$\rightarrow r, \theta$	$\rightarrow X^2$	$\rightarrow \sqrt{X}$

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COMPLEX TRIG FUNCTIONS		ML-06	
	$\rightarrow \sin^{-1} X$	$\rightarrow \cos^{-1} X$	$\rightarrow \tan^{-1} X$
X	$\rightarrow \sin X$	$\rightarrow \cos X$	$\rightarrow \tan X$

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POLYNOMIAL EVALUATION		ML-07	
n	$i; a_i$	$x \rightarrow P(x)$	

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ZEROS OF FUNCTIONS		ML-08	
a	b	Δx	$\rightarrow x$

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SIMPSON'S APPROXIMATION (CONTINUOUS)		ML-09	
x_0	x_n	n	$\rightarrow I$

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SIMPSON'S APPROXIMATION (DISCRETE)		ML-10	
n	h	i, f_i	$\rightarrow I$

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TRIANGLE SOLUTION (1)		ML-11	
SSS $\angle A'$	$\angle B'$	$\angle C' \angle A'$	INIT
a	b	c, $\angle A, \angle C$	SSA c' SAS c'

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TRIANGLE SOLUTION (2)		ML-12	
ASA $\angle A'$	SAA $\angle B'$	AREA	
a	$\angle A, \angle B$	$\angle C$	b c

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CURVE SOLUTION		ML-13	
θ'	r'	s'	c'
θ	r	s	c

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NORMAL DISTRIBUTION		ML-14	
$x \rightarrow Z(x)$	Q(x)		

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RANDOM NUMBER GENERATOR		ML-15	
		No. (\bar{x}, σ)	INIT
A, \bar{x}	B, σ	No. (A,B)	SEED

Solid State Software		TI ©1977	
COMBINATIONS, PERMUTATIONS, FACTORIALS		ML-16	
n	r	n!	$P(n)$

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MOVING AVERAGES		ML-17	
NUMBER	m \rightarrow AVG		INIT

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COMPOUND INTEREST		ML-18	
$S_{\overline{n} i}$	$(1+i)S_{\overline{n} i}$	$a_{\overline{n} i}$	$(1+i)a_{\overline{n} i}$
N	% I	PV	FV

Solid State Software		TI ©1977	
ANNUITIES		ML-19	
Sinking Fund	Ann Due/FV	Ord Ann/PV	Ann Due/PV
N	% I	PMT	PV/FV

Solid State Software		TI ©1977	
DAY OF WEEK, DAYS BETWEEN DATES		ML-20	
(M M D D . Y Y Y Y)			
DATE 1	DATE 2	No. DAYS	D \rightarrow D of W

Solid State Software		TI ©1977	
HI-LO GAME		ML-21	
M INIT	M LO	M HI	M CORR
INIT	GO	GUESS	SCORE

Solid State Software		TI ©1977	
CHECKING/SAVINGS ACCOUNT		ML-22	
Checking	Savings	I%/Yr	Periods/Yr
Balance	Deposit	Withdrawal	No. Periods

Solid State Software		TI ©1977	
DMS OPERATIONS		ML-23	
(d d . m m s s)			
n	$\pm p \rightarrow n \pm p$	$a \rightarrow n \times a$	$a \rightarrow n \div a$

Solid State Software		TI ©1977	
UNIT CONVERSIONS (1)		ML-24	
cm \rightarrow in	m \rightarrow ft	m \rightarrow yd	km \rightarrow mi
in \rightarrow cm	ft \rightarrow m	yd \rightarrow m	mi \rightarrow km

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UNIT CONVERSIONS (2)		ML-25	
$^{\circ}C \rightarrow ^{\circ}F$	lit \rightarrow oz	lit \rightarrow US gal	gm \rightarrow oz
$^{\circ}F \rightarrow ^{\circ}C$	oz \rightarrow lit	US gal \rightarrow lit	oz \rightarrow gm

TEXAS INSTRUMENTS			

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