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MM      MM      TTTTTTTTTT  HH      HH      IIIIII      MM      MM      IIIIII      NN      NN      000000
MM      MM      TTTTTTTTTT  HH      HH      IIIIII      MM      MM      IIIIII      NN      NN      000000
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MMMM    MMMM      TT          HH      HH      II          MMMM  MMMM      II          NN      NN      00      00
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MM      MM      TT          HH      HH      II          MM      MM      II          NNNN  NN      00      0000
MM      MM      TT          HH      HH      II          MM      MM      II          NN      NN      00      00
MM      MM      TT          HHHHHHHHHH  II          MM      MM      II          NN      NN      00      00
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MM      MM      TT          HH      HH      II          MM      MM      II          NN      NNNN  0000  00
MM      MM      TT          HH      HH      II          MM      MM      II          NN      NNNN  0000  00
MM      MM      TT          HH      HH      II          MM      MM      II          NN      NN      00      00
MM      MM      TT          HH      HH      II          MM      MM      II          NN      NN      00      00
MM      MM      TT          HH      HH      IIIIII      MM      MM      IIIIII      NN      NN      000000
MM      MM      TT          HH      HH      IIIIII      MM      MM      IIIIII      NN      NN      000000

```

```

LL      IIIIII      SSSSSSSS
LL      IIIIII      SSSSSSSS
LL      II          SS
LL      II          SS
LL      II          SS
LL      II          SS
LL      II          SSSSSS
LL      II          SSSSSS
LL      II          SS
LL      II          SS
LL      II          SS
LLLLLLLLLLLL IIIIII SSSSSSSS
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(2) 48  
(3) 57  
(4) 83

HISTORY ; Detailed Current Edit History  
DECLARATIONS  
MTH\$IMINO, MTH\$AIMINO

```
0000 1 .TITLE MTH$IMINO IMINO and AIMINO functions
0000 2 .IDENT /1-002/ ; File: MTHIMINO.MAR
0000 3
0000 4
0000 5 :*****
0000 6 :*
0000 7 :* COPYRIGHT (c) 1978, 1980, 1982, 1984 BY
0000 8 :* DIGITAL EQUIPMENT CORPORATION, MAYNARD, MASSACHUSETTS.
0000 9 :* ALL RIGHTS RESERVED.
0000 10 :*
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0000 19 :* AND SHOULD NOT BE CONSTRUED AS A COMMITMENT BY DIGITAL EQUIPMENT
0000 20 :* CORPORATION.
0000 21 :*
0000 22 :* DIGITAL ASSUMES NO RESPONSIBILITY FOR THE USE OR RELIABILITY OF ITS
0000 23 :* SOFTWARE ON EQUIPMENT WHICH IS NOT SUPPLIED BY DIGITAL.
0000 24 :*
0000 25 :*
0000 26 :*****
0000 27
0000 28
0000 29 : FACILITY: MATH LIBRARY
0000 30 : ++
0000 31 : ABSTRACT:
0000 32 :
0000 33 :
0000 34 : --
0000 35 :
0000 36 : VERSION: 0
0000 37 :
0000 38 : HISTORY:
0000 39 :
0000 40 : AUTHOR:
0000 41 : Jonathan M. Taylor, 12-JUL-77: Version 0
0000 42 :
0000 43 : MODIFIED BY:
0000 44 :
0000 45 :
0000 46 :
```

MTHIMINO  
1-002

```
0000 48 .SBTTL HISTORY ; Detailed Current Edit History
0000 49
0000 50
0000 51 ; Edit History for Version 0 of MTHIMINO
0000 52 :
0000 53 : 0-2 - Fix access viol. and increment by 2 bug. TNH 21-Aug-78
0000 54 : 1-001 - Update version number and copyright notice. JBS 16-NOV-78
0000 55 : 1-002 - Add "_" to the PSECT directive. JBS 22-DEC-78
```

MT  
2-

```
0000 57          .SBTTL  DECLARATIONS
0000 58
0000 59 :
0000 60 : INCLUDE FILES:
0000 61 :
0000 62 :
0000 63 :
0000 64 : EXTERNAL SYMBOLS:
0000 65 :
0000 66 :
0000 67 :
0000 68 : MACROS:
0000 69 :
0000 70 :
0000 71 :
0000 72 : PSECT DECLARATIONS:
00000000 73          .PSECT  _MTH$CODE          PIC, SHR, LONG, EXE, NOWRT
0000 74 :
0000 75 :
0000 76 : EQUATED SYMBOLS:
0000 77 :
0000 78 :
0000 79 :
0000 80 : OWN STORAGE:
0000 81 :
```

```

0000 83      .SBTTL  MTH$IMINO, MTH$AIMINO
0000 84
0000 85      :++
0000 86      : FUNCTIONAL DESCRIPTION:
0000 87
0000 88
0000 89      : CALLING SEQUENCE:
0000 90      : NONE
0000 91
0000 92
0000 93      : INPUT PARAMETERS:
0000 94      : NONE
0000 95
0000 96      : IMPLICIT INPUTS:
0000 97      : NONE
0000 98
0000 99      : OUTPUT PARAMETERS:
0000 100     : NONE
0000 101
0000 102     : IMPLICIT OUTPUTS:
0000 103     : NONE
0000 104
0000 105     : COMPLETION CODES:
0000 106     : NONE
0000 107
0000 108     : SIDE EFFECTS:
0000 109     : NONE
0000 110
0000 111     :--
0000 112
0000 113
0000 114
0000 115
0000 116     .ENTRY  MTH$IMINO,      ^M<>
09  0000 117     BSB    MINW          ; R0 = min arg
   04 0004 118     RET
0000 119
0000 120     .ENTRY  MTH$AIMINO,    ^M<>
50  04 0005 121     BSB    MINW          ; R0 = min arg
   50 4D 0009 122     CVTWF  R0, R0      ; REAL*4 min arg
   04 000C 123     RET
0000 124
0000 125     MINW:
51  6C 9A 000D 126     MOVZBL (AP), R1      ; R1 = number of args
   8C D5 0010 127     TSTL  (AP)+      ; AP -> first arg adr
50  9C B0 0012 128 1$:  MOVW  @(AP)+, R0    ; get trial min
   08 11 0015 129     BRB    3$        ; check arg count
50  00 BC B1 0017 130 2$:  CMPW  @0(AP),R0    ; if this arg is less then trial min
   F5 19 001B 131     BLSS  1$        ; then it becomes trial min
   8C D5 001D 132     TSTL  (AP)+      ; else ignore it
   F5 51 F5 001F 133 3$:  SOBGTR R1, 2$    ; check arg count
   05 0022 134     RSB
0000 135
0000 136
0000 137     .END

```

MTH\$IMINO  
Symbol table

IMINO and AIMINO functions

K 1

16-SEP-1984 01:43:35  
6-SEP-1984 11:26:14

VAX/VMS Macro V04-00  
[MTHRTL.SRC]MTHIMINO.MAR;1

Page 5  
(4)

MINW	0000000D	R	01
MTH\$AIMINO	00000005	RG	01
MTH\$IMINO	00000000	RG	01

-----  
! Psect synopsis !  
-----

PSECT name	Allocation	PSECT No.	Attributes										
ABS	00000000 ( 0.)	00 ( 0.)	NOPIC USR	CON	ABS	LCL	NOSHR	NOEXE	NORD	NOWRT	NOVEC	BYTE	
_MTH\$CODE	00000023 ( 35.)	01 ( 1.)	PIC USR	CON	REL	LCL	SHR	EXE	RD	NOWRT	NOVEC	LONG	

-----  
! Performance indicators !  
-----

Phase	Page faults	CPU Time	Elapsed Time
Initialization	29	00:00:00.10	00:00:00.84
Command processing	119	00:00:00.48	00:00:02.66
Pass 1	67	00:00:00.39	00:00:01.80
Symbol table sort	0	00:00:00.00	00:00:00.00
Pass 2	37	00:00:00.32	00:00:01.04
Symbol table output	2	00:00:00.01	00:00:00.01
Psect synopsis output	2	00:00:00.02	00:00:00.11
Cross-reference output	0	00:00:00.00	00:00:00.00
Assembler run totals	258	00:00:01.32	00:00:06.46

The working set limit was 750 pages.  
 1479 bytes (3 pages) of virtual memory were used to buffer the intermediate code.  
 There were 10 pages of symbol table space allocated to hold 3 non-local and 3 local symbols.  
 137 source lines were read in Pass 1, producing 13 object records in Pass 2.  
 0 pages of virtual memory were used to define 0 macros.

-----  
! Macro library statistics !  
-----

Macro library name	Macros defined
----- _S255\$DUA28:[SYSLIB]STARLET.MLB;2	----- 0

0 GETS were required to define 0 macros.

There were no errors, warnings or information messages.

MACRO/ENABLE=SUPPRESSION/DISABLE=(GLOBAL,TRACEBACK)/LIS=LISS:MTHIMINO/OBJ=OBJS:MTHIMINO MSRCS:MTHIMINO/UPDATE=(ENHS:MTHIMINO)



