

DEC INTEROFFICE
MEMORANDUM

M-1095

DATE November 22, 1960

SUBJECT MODIFIED MULTIPLY SUBROUTINE¹
FOR PDP-1

TO PDP Disbribution List FROM Chas. W. Adams Associate:

I. This is a patch to the multiply subroutine and therefore must be loaded into memory after the multiply subroutine has been loaded. This patch must be used whenever the sine, cosine, arccosine or arcsine subroutine is used. It changes the calling sequence of the subroutine and leaves the right hand portion of the product left-adjusted in the I/O unit without a sign.

II. Calling sequence:

LIO (the address of the multiplier)
JSP 1662
LOC (the address of the multiplicand)

III. Subroutine patch:

```
ORG 001662
DAP 001647
DAP 001665
IDX 001647
LAC 010000
DAC 001660
DIO Y
JMP 001600
Y
ORG 001600
LIO Y
ORG 001646
LAC 001660
END
```

1. Acknowledgment

The Modified Multiply Subroutine was supplied to DEC by Chas. W. Adams Associates, Inc., Bedford, Mass.