

SHARE PROGRAM LIBRARY AGENCY



PROGRAM NUMBER

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SHARE PROGRAM LIBRARY SUBMITTAL FORM

SHARE PROGRAM LIBRARY AGENCY
Triangle Universities Computation Center
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SPLA CONTROL NUMBER: 198

This form should be completed and submitted with the program package to the SHARE Program Library Agency at the address shown above. Standards and instructions for submitting programs are in the "SHARE Reference Manual".

- (1) Program Number (to be filled in by SPLA)..... 360D-06.1.006
- (2) System Type (machine)..... S/360 , S/370
- (3) Search Key..... PL/I IO/ SORT
/INTERFACE/ /SUBROUTINE/
- (4) Programming Systems/Languages..... ASSEMBLER
- (5) Author's Name and Address..... Fritz SCHNEIDER
AMOHL Corp.
1250 E. Arques Ave.
- (6) Direct Technical Inquiries to Name & Address Sunnyvale Calif 94086
(if different than Author)
- (7) Title of Program..... SIMPLIFIED INTERFACE FOR
INVOKING SORT FROM PL/I
OPTIMIZER PROGRAMS.
- (8) Submitter's Installation Membership Code..... AMD
- (9) Submitter's Own Program Identification and Suffix(Optional).. A#SORT
- (10) Primary Subject Code..... 06.1
Secondary code : 03.8
- (11) Minimum System Requirements OS or OS/VS , PL/I Optimizer , Multitasking
- (12) New or Revision Code (if revision, show prior Program Number in Item 1) N
- (13) Year Completed..... 1975
- (14) Date of Submittal..... 6/30/76
- (15) Documentation (number of original pages submitted)..... 0
- (16) Abstract (should contain sufficient information for a reader to determine the value of the program). Listed on the reverse side of this form are subjects which may serve as a guide for a descriptive abstract.

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Subject Guide:

- Purpose
- Programming Language used
- Version and modification level or release number
- Field of application
- Type of routine (main program, subroutine, etc.)
- Specific description of machine requirements

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ABSTRACT

This subroutine allows PL/I Optimizer programs to dynamically invoke OS SORT/MERGE and pass records to be sorted using WRITE and READ statements rather than the cumbersome PLISRTD method supplied with the system.

~~Function:~~ To use it the programmer CALLS A#SORT passing a dummy file name and the parameters necessary to describe to SORT. Then a WRITE statement can be used to transmit each record to be sorted into SORT. When all records have been passed, a READ statement will retrieve the sorted records. ENDFILE will be used to indicate that no more sorted records are available. Error Conditions are signaled via ON conditions.

(Please attach additional pages if necessary).....Total pages attached _____

Permission to Publish

"I hereby give the SHARE Program Library Agency permission to reprint, reproduce, and distribute this program."

(17) Signature of Submitter and Date

(18) Signature of Installation Addressee

amdahl

corporation

1250 east arques avenue
sunnyvale, california 94086
area code 408-735-4011
twx 910-339-9293

A#SORT --- Tape Key.

The tape for A#SORT contains three files. It is unlabeled. Each file contains 80 byte records (i.e. it is unblocked).

- File 1: Assembler source for A#SORT.
- File 2: PL/I Declaration of A#SORT (suitable for inclusion in a compile-time library)
- File 3: Documentation.

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