NEW NUMBER = DBKEB

ABSTRACT

This program exercises the KE11F floating point instructions (FADD, FSUB, FMUL, FDIV) with random number patterns. The answers are checked against results obtained using the corresponding FORTRAN software routines. About 200 passes should be run to establish repeatability.

REQUIREMENTS

PDP-11 (KD11A) standard computer with KE11F option

STORAGE = The routines use memory location 0 - 17500

LOADING = Absolute Loader

EXECUTION TIME = 5 sec.

STARTING PROCEDURE = Always start at 200

PRINTOUTS = Yes

SWITCH REGISTER OPTIONS = Yes

```
SW15 = 1 ... HALT ON ERROR
SW14 = 1 ... SCOPE LOOP
SW13 = 1 ... INHIBIT PRINTOUT
SW12 = 1 ... INHIBIT TRACE TRAPPING
SW11 = 1 ... INHIBIT ITERATIONS OF SUBTEST
SW10 = 1 ... BELL ON ERROR
       0 ... BELL ON PASS COMPLETE
SW09 = 1 ... LOOP ON ERROR
SW08 = 1 ... LOOP ON TEST IN SW(610)
SW07 = 1 ... INPUT DATA FROM THE TELETYPE
```