

NEW NUMBER = DCFPU

ABSTRACT =

This program exercises the FP11 floating point divide instructions (DIVF and DIVD) with random number patterns, the answers are checked against results obtained using the corresponding fortran software routines.

REQUIREMENTS = PDP-11/45 standard computer with FP11 option,

STORAGE = The routines use memory locations 0 = 17500. The map at the end of the listings shows the absolute locations of the fortran math routines which were assembled separately and linked to the main program via LNKX11 on a DECsystem-10.

LOADING = Absolute Loader

EXECUTION TIME = Bell will ring within 15 seconds with all switches down.

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	...	CORE IMAGE TYPE=OUT (16 BIT WORDS)
		0	...	FLOATING POINT TYPE=OUT (SIGN, EXPONENT, MANTISSA)
SW08	=	1	...	LOOP ON TEST IN SW(710)
		0	...	LOAD SW(710) INTO UB REGISTER