

NEW NUMBER = DCFPS

ABSTRACT =

This program exercises the FP11 floating point add and subtract instructions (ADDf, ADDD, SUBf, SUBD) with random number patterns. The answers are checked against results obtained using the corresponding fortran software routines.

REQUIREMENTS =

PDP-11/45, FP11

STORAGE = The routines use memory locations 0 = 17500,

LOADING = Absolute Loader

EXECUTION TIME = 15 secs,

STARTING PROCEDURE = 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