

SYNTET
PDP-15
ROGER BRANDT
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GENERAL DESCRIPTION

LANGUAGE:

FORTRAN-IV

USED SUBROUTINES:

EMSTOT-PACKAGE, DECODE, KFMT, AFMT, IFMT, IAMP, DATAA

SIZE:

?

PURPOSE:

SYNTET WILL GENERATE CALLS TO ENTRIES IN EMSTOT-PACKAGE,
WHICH WILL WRITE A1- OR A2- TAPE.

USE:

SYNTET ACCEPTS ONLY FIXED FORMAT INPUT. EACH LINE GENERATES
ONE CALL TO AN EMSTOT ENTRY. LINES MUST BE TERMINATED BY
CARRIAGE RETURN.

INPUT FORMAT:

POSITION	INPUT LINE	GENERATED CALL TO EMSTOT
	12345678901234	
	SNNFFFFFZAAAAA	CALL TONGEN(NN,FFFFF,Z,AAAAA)
	FNNCCAAAAA	CALL FILTER(NN,CC,AAAAA)
	ANNAAAAA	CALL AMPL (NN,AAAAA)
	KFRTO	CALL KOPPLA(FR,TO)
	UFRTO	CALL KOPPLU(FR,TO)
	RNNTTTT	CALL EKOTID(NN,TTTTT)
	TTTTT	CALL TID (TTTTT)
	M	CALL SETSU
	E	CALL SPELSU(N1,N2,N3)

THE FIRST CHARACTER OF THE INPUT LINE DETERMINES WHICH
ENTRY TO CALL.

IF FIRST CHARACTER IS NOT ONE OF THE ABOVE MENTIONED,
SYNTET WILL RECOGNIZE THE LINE AS AN ERROR LINE
AND WILL PRINT MESSAGE AND INPUT LINE.

ALL OTHER FIELDS MUST BE NUMERIC AND MAY NOT CONTAIN
DECIMAL POINTS. NONNUMERIC FIELDS AND DECIMAL POINTS
CAUSE ERROR MESSAGE AND OUTPUT OF ERROR INPUT LINE.

FIELDS ARE INTERPRETED AS FOLLOWS:

NN NUMBER OF DEVICE
FFFFF FREQUENCY IN HZ
Z WAVEFORM
AAAAA AMPLITUDE IN DB WITH AN IMPLICITE DECIMAL POINT
AFTER THE FIRST 3 AMPLITUDE DIGITS
THE DECIMALS MAY BE OMITTED
CC CHANNEL NR
TTTTT TIME IN MS
FR FROM NR SEE EMSTOT
TO TO NR SEE EMSTOT

SYNTET WILL NOT CHECK TO SE IF PARAMETERS PASSED TO EMSTOT

ARE WITHIN ALLOWED LIMITS.