REKOFF

WISC LIBRARY

File # 6.00.01

Operation — Polynomial Evaluation

given $y = \Sigma a_p x^p$
calculate y and $-\frac{1}{y'}$
for $x_1, \ldots x_K, \ldots x_m$

Use

a) Calling Linkage

L :
L + 1:
L + 2:

LINKED AUTOMATICALLY FROM LS3 (4.03.01)
(See LS3 – use of breakpoint switches)

b) Adaptation Link Word — NOT ADAPTABLE

L + 2: _____ IWL _____ B

c) Storage 159 – 181 NOT RELOCATABLE

j = _____ words

k = _____ orders

_____ constants

_____ opstos: _____ to _____

Requirements and Performance

a) Method of operation — floating

b) Additional routines required — SER, LS3.

c) Range and form of variable — $x_1 \ldots x_K \ldots x_m$ assumed stored in alternate locations commencing 1c1

d) Accuracy

e) Performance time

NOTES OVERLEAF PTO.

OPERATION NOTES

INPUT SER IN LOCATIONS 01a – 0dc (use input order on SER tape)
INPUT LS3 ~~0d~~ 0f – 193
INPUT Polynomial Evaluation 159 – 181 SET BT at "NO", BH at "YES"

Then input LS3 calling sequence and x_K y_K data (see LS3 operating notes)

When routine comes to a halt, SET BT to "YES" and push run button.

Routine will then overwrite the smoothed y_K's in the old x_K locations (alternate locations starting 1c1) and $-\frac{1}{y_K'}$ in the old y_K locations. The routine will deconvert these (set output tabulation to 2) and print.

All three routines reset themselves so that a new set of x_K y_K can be solved simply by inputing the LS3 calling sequence and ~~the~~ new data.