TITLE: Plotting on the Tektronix Storage Tube

ABSTRACT:

A new plotting device has appeared in the CSPL, a Tektronix Storage tube. This device has an Extended Graphics Module which can provide up to 4096x4096 resolution. What follows is a description of a program which plots vectors on the Tektronix from a stream which may be optionally identified on the command line.
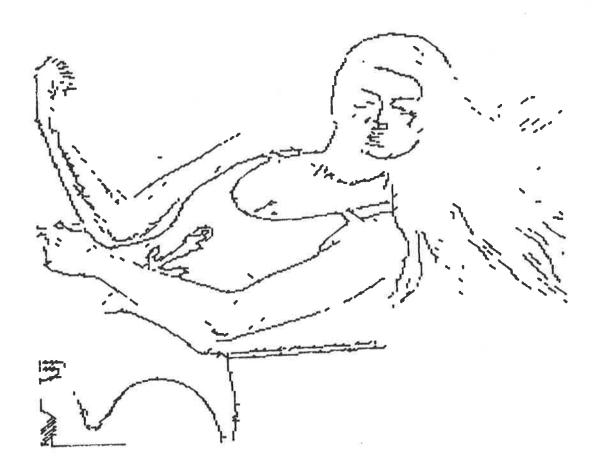
DESCRIPTION:

A new software filter called VEC2TEK exists in the /usr/lyon directory. The supporting source code exists in two files:
/usr/lyon/vec2tek.c and /usr/lyon/grap.c
Users may copy these files for future modification.
To run this software a user may type the following from any terminal:
/usr/lyon/vec2tek < /usr/lyon/baby.vec > /dev/tty00
This will draw an edge detected image on the Tektronix storage tube. The format of the input file is as follows:
X1 Y1 X2 Y2

.

.

.

Where X1, X2, Y1, Y2 are integers in the plotting range (0..1024).
If the input file is ommitted the user may type vectors from the terminal directly into the program, they will be processed immediately.
If the output device is ommitted the program will output the graphics control characters at the users terminal.

[Use additional sheets if necessary]

Prepared by: Douglas Lyon	Date: 7/13/87	Total Pages: 2

Form #CSPL.1 by D.L.

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