

these files are merely simple text files, they can also be easily transferred to an IBM or other system for analysis.

UTILITIES

Also included in the PPL program are two useful utilities. The first is a simple function to quickly display any image file the user chooses. The chosen image appears exactly as it will in the experiment. This gives the researcher the ability to preview one or more images without having to load the entire experiment. The second utility is a pixel counter. This function loads a selected image and then counts all of the pixels that appear black on the screen. To count the pixels of a 704 × 600 bit map takes less than a second. This function provides a precise means for comparing the size of two different images.

AVAILABILITY

PPL is available directly from the author. The cost of the software is \$200. The C-language source code is available for an additional \$100. The program requires a National Instruments I/O board. Two different boards will work with the program: NB-MIO-16 (\$1,200) and Lab-NB (\$700). PPL has been recently upgraded to work with System 7.0 and color images.

REFERENCES

- RENSINK, R. A. (1990). Toolbox-based routines for Macintosh timing and display. *Behavior Research Methods, Instruments, & Computers*, *22*, 105-117.
- WESTALL, R. F., PERKEY, M. N., & CHUTE, D. L. (1989). Millisecond timing on the Apple Macintosh: Updating Drexel's MilliTimer. *Behavior Research Methods, Instruments, & Computers*, *21*, 540-547.

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Behavior Research Methods, Instruments, & Computers Articles In Press

The following is a list of forthcoming *Behavior Research Methods, Instruments, & Computers* articles that are currently in press. They are given in approximate order of acceptance. Each entry includes the name and address of the author with whom to communicate for further republication information.

- "Tachistoscopic software for Macintosh computers" by T.A. Busey (Dept. of Psychology, Univ. of Washington, Seattle, WA 98195)
- "Tachistoscopic software for the Macintosh" by C. Barron (Dept. de psychologie, Univ. du Quebec à Montréal, Montréal, Quebec, Canada H3C 3P8)
- "A versatile, user-friendly tachistoscope for the Macintosh" by J.M. Doenias, S.E. Langland, & D. Reisberg (D.R., Dept. of Psychology, Reed College, Portland, OR 97202)
- "An on-line program to calculate respiratory sinus arrhythmia amplitude" by G.A. Reyes del Paso (Departamento de Personalidad, Facultad de Filosofía y Letras (Edificio B), Universidad de Granada, 18011 Granada, Spain)
- "Notes on Graves and Bradley's timer algorithm" by J. Beringer (Institut für Psychologie, Technische Hochschule Darmstadt, Hochschulstrasse 1, 6100 Darmstadt, Germany)
- "Using the IBM-compatible microcomputer's serial port as an input-output interface" by C.C. Morris (Dept. of Psychology, Middle Tennessee State Univ., Murfreesboro, TN 37132)
- "The Rev.: An IBM BASIC program for 'Bayesian' test interpretation" by R.D. Franklin & D.B. Allison (R.D.F., 7958 Pines Blvd., Suite 136, Pembroke Pines, FL 33024)
- "Real-time color frame animation for visual psychophysics on the Macintosh computer" by S.B. Steinman & M. Nawrot (S.B.S., School of Optometry, Univ. of Missouri, 8001 Natural Bridge Rd., St. Louis, MO 63121)
- "A low-cost spatial contrast sensitivity display driver" by W.B. Cushman (Medical Research Laboratory, Naval Air Station, Pensacola, FL 32508-5700)
- "In situ repeated measures of affect and cognitive performance facilitated by use of a hand-held computer" by P. Totterdell & S. Folkard (P.T., Social and Applied Psychology Unit, Univ. of Sheffield, Mushroom Lane (P.O. Box 604), Sheffield S10 1FP, U.K.)
- "Timing accuracy of mouse response registration on the IBM microcomputer family" by J. Beringer (Institut für Psychologie, Technische Hochschule Darmstadt, Hochschulstrasse 1, 6100 Darmstadt, Germany)