Labolmage 3.0

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SOFTWARE SURVEY SECTION

Editor's Note: The following Software Description(s) have been submitted by our readers in response to our call for an open exchange of information on software programs. They are offered without review or comment to provide a rapidly published, easily accessible avenue of communication. Other readers with relevant software packages are invited to complete and submit a Software Description Form (found at the end of this section).

Software Package CMIG-004-890 LaboImage 3.0

Contributor: Alain Jacot-Descombes, Thierry PUN, Computing Science Center, University of Geneva, CH-1207 Geneva, Switzerland

Brief Description: LaboImage 3.0 is an interactive software for image processing and analysis, whose interface is menu, mouse and windows based. It contains a comprehensive set of operators as well as general utilities. Its main features are: input/output, display, arithmetic/logical operations, mathematical transforms, geometrical transforms, convolution/correlation, edge extraction, region segmentation, binary plus some grey-level mathematical morphology, histogramming, noise generation, etc. Special tools are available for color table manipulation, particles counting, one-dimensional gel analysis, regions of interest selection, profile computing, macros definition, save and replay, etc.

Potential Uses: Training and applied research.
Fields of Interest: Biomedical imaging, general image analysis.

** This utility program in the area of image analysis has been developed for Sun in C. It is available on magnetic tape.
** Distributed by University of Geneva.
** User training is not required. There is minimal self-documentation. Source code is available.
** The package is fully operational. Collaboration would be welcomed. It has been in use at 10 sites for approximately 2 years. The contributor is available for user inquiries.
IV  Software Survey Section

JOURNAL NAME  COMPUTERIZED MEDICAL IMAGING AND GRAPHICS

P ER G A M O N  P R E S S
SOFTWARE DESCRIPTION FORM

Title of Software Program: ____________________________

Contributor: _______________________________________

Institution: ________________________________________

Address: _________________________________________

Telephone: ________________________________

Type of program: [ ] Application [ ] Utility [ ] Other _______________________

Category: _________________________________________ (i.e., Psychological Assessment, statistics, thermodynamics, etc.)

Potential users: _____________________________________

Field/s of interest: __________________________________

Developed for (name of computer/s): ______________________

in (language/s): ______________________________________

to run under (operating system): _________________________

available on: [ ] Floppy diskette Specify:

Size ______ Density ______ single-sided [ ] Dual-sided

[ ] Magnetic Tape Specify:

Size ______ Density ______ Character set ______________

Hardware required: _____________________________

Memory required: ____________________ User training required: [ ] Yes [ ] No

Documentation: [ ] None [ ] Minimal [ ] Self-documenting

[ ] Extensive external documentation

Source code available: [ ] Yes [ ] No

Stage of development: [ ] Design complete [ ] Coding complete

[ ] Fully operational [ ] Collaboration welcomed

Is program in use? [ ] Yes How long? ________ How many sites? ________

[ ] No

Is the contributor available for user inquiries?: [ ] Yes [ ] No

Distributed by: _________________________________

Cost of program: __________________________

Demonstration disk available? [ ] Yes Cost: __________

[ ] No

(continued)
Description of what software does (maximum of 200 words):

RETURN COMPLETED FORM TO:

Ms. Blaire Mossman
National Biomedical Research Foundation
Georgetown University Medical Center
3900 Reservoir Road
Washington, DC 20007

Reference number ____________________________

(assigned by Editor)

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