SOFTWARE SURVEY SECTION

Editor's Note: The following Software Descriptions 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 CH-002-S87  Determination of Erythrocyte "Deformability Exponent (d)" and Corresponding "Shape Factor (A)" plus Haematocrit Correction for Blood Viscosity

Contributor: Steve Hussain, King's College School of Medicine and Dentistry, King's College Hospital, Department of Haematology, Denmark Hill, London SE5 8RX, England

Brief description: The programme derives the "bulk deformability exponent" (d) and the corresponding "shape factor" (A) from native blood viscosity, plasma viscosity and haematocrit data. The programme also derives the blood viscosity at any haematocrit chosen by the operator according to a formula published by Whittington and Harkness (Biorheology 19, 175-184, 1982).

Potential users: Researchers in haemorheology and clinical haemorheology.

Fields of interest: Blood viscometry.

§ This application program in the area of viscometry has been developed for Acorn BBC computers in BASIC. It is available on 3-1/2", single-sided, double-density floppy diskette.

§ Distributed by contributor.

§ The minimum hardware configuration required is any BASIC programmable computer. No user training is required. It is self-documenting. Source code is available.

§ The package is fully operational. It has been in use at King's College Hospital for approximately 3 years. The contributor is available for user inquiries.
Title of software program: ____________________ _

Type of program: [ ] Application [ ] Utility [ ] Other ______ _

Category: ____________________ _ (ie. Psychological assessment, statistics, thermodynamics, etc.)

Developed for (name of computer/s): ________________ _
in (language/s): _______________________ _
to run under (operating system):
available on: [ ] Floppy disk/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

RETURN COMPLETED FORM TO:

Dr. Arpad Matrai
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Innenstadt, 8000 Munchen 2
Federal Republic of Germany

[This Software Description Form may be photocopied without permission]
Software Survey Section

Description of what software does  [maximum: 200 words]:

Potential users: ______________________________________________________
Field/s of interest: __________________________________________________

# # # # #
Name of contributor: ________________________________________________
Institution: _________________________________________________________
Address: __________________________________________________________

Telephone number: _________________________________________________

# # # # #
Reference No.  [Assigned by Journal Editor] ____________________________

[The information below is not for publication.]
Would you like to have your program:
Reviewed? [ ] Yes [ ] No  [ ] Not at this time
Marketed and distributed? [ ] Yes  [ ] No  [ ] Not at this time

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