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Comput. Phys. 8, 254 (1994)

<https://doi.org/10.1063/1.4823295>



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FIND HUNDREDS OF PHYSICS PRODUCTS ONLINE

Lewis M. Holmes

At the time of writing, well over 100 new-product descriptions have been categorized and loaded into the new-product database on CIP Online, our electronic service with the same name as this column. We aim to add approximately 50 new product descriptions on the first day of every month. Older listings will be archived for one year.

In addition to the new-product database, CIP Online also contains a preview of the next issue of *Computers in Physics*. Within the preview are abstracts of peer-reviewed articles newly accepted for publication. Other types of information such as full articles and graphics will be posted in the future.

Getting connected

To log in to CIP Online, telnet to `pinet.aip.org`. Key in the username `cip` and give the password shown in the box on this page. Online screens and menu choices will lead you directly and easily to the next-issue preview or into the products database.

Computers in Physics also makes source code available on an FTP server in connection with certain magazine and peer-reviewed journal articles. To retrieve this code, you need to initiate an FTP session with `pinet.aip.org`. Log in with the username `cipftp` and give the password shown in the box on this page.

To use either CIP Online or the FTP server, you must be connected to the Internet. Check with your local network administrator if you are uncertain about your connection.

Source code

The FTP server contains source code from this issue and earlier issues of the magazine. From the present issue, the following authors have made source code available in connection with their articles:

- Joan Adler, "Series expansions," p. 287.
- B. G. Adams and G. A. Artega, "Symbolic computation of energy perturbation expansions for spherically symmetric hydrogenic systems," p. 343.
- H. T. Williams and C. J. Wynne, "A new algorithm for computation of SU_3 Clebsch-Gordon coefficients," p. 355.
- P. Castellví, X. Jaén, and E. Llanta, "TTC: Symbolic tensor and exterior calculus," p. 360.

To find the source code, after opening your FTP session, go to the subdirectory `cip/sourcecode`. The **CONTENTS** file will guide you to the correct filenames for the source code that you wish to retrieve.

Detailed FTP instructions are in the March/April 1994 issue, p. 150. If you have questions about this service, send an e-mail message to `pum@aip.org`.

CIP Online and FTP passwords

CIP Online and CIP's FTP server are designed for use by password access only, but without charge for *Computers in Physics* subscribers. For the present, as a way of introducing these services, we will publish new passwords in each issue of the magazine. The passwords will be valid until the next issue of *Computers in Physics* appears. Look in a box such as this one on the CIP Online page of the magazine for the current passwords.

The password to CIP Online is **online** for this issue. The password to CIP's FTP server is **cipftp**.

Requesting more information

You can use CIP Online to request additional product information from the vendors as well as other information on editorial material, new-product descriptions, and advertisements. You can also use CIP Online to send messages to the editors or to the administrators of AIP's information service PINET, our partner on CIP Online.

The circle numbers in the magazine are identical to those in the online service. This means that you are free to use "snail" mail or our electronic service interchangeably—it is your choice.

To submit an electronic reader request, go the online screen headed, "Computers in Physics New Product Bulletin," and select item 6, "Enter Order." Fill in the form and list the order or "circle" number from the product description or editorial item. Your request will be submitted electronically and sent to the appropriate party. This mechanism is analogous to the Reader Service Card at the back of the printed magazine, except that it is easier to use and elicits a faster response.

We expect to make frequent use of electronic reader requests. Set up on the "circle number" concept, they provide a simple means for you to communicate with us and with vendors.

In this issue of *Computers in Physics*, Steve Christensen's article on p. 308, "Resources for computer algebra," contains a long table of software packages, to which we have assigned circle numbers. You can use the order form in CIP Online's electronic service to get more information on the software packages mentioned in this table.

Computers in Physics is cosponsor of the Physics Computing conference and exhibition, August 22-29, 1994, in Lugano, Switzerland (see p. 241). For this meeting, we are printing the Advance Program, which will go to all PC '94 preregistrants. Other readers may order a copy by keying the order number 294 into the order form in CIP Online's electronic service.