

## **A Documentation Program**

Most laboratories use regularly a variety of programs. Because of hardware changes and software modifications, all program documentation must be dynamic and is often out of date for most laboratory copies. In order to overcome this type of problem, a Fortran program called GENDOC has been written for a CYBER 76 computer.

GENDOC takes free-formatted text input and formats it appropriately to create program writeups. The formatting is controlled by keywords and reserved characters embedded in the text. Words may be split across card boundaries. An asterisk in column 1 indicates a new keyword. The actual word begins in column 2 and is terminated by a space, i.e., \*TITLE PROGRAM. One reserved character is used for skipping a line. Using the appropriate key words, documentation for a particular program is punched on cards, where it may be easily edited. Any superfluous blanks in the text are automatically removed by the program. Although the source text is completely unformatted, the design for the write-ups may be altered to produce a listing which is well set out and easily readable. Text is automatically right justified where applicable. Once the data cards have been punched and corrected, they will always be available for listing through GENDOC. Consequently the system is a dynamic one and updating becomes a trivial task.

Copies of this program may be obtained from the authors (C.H.L.K.)

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