

Computer Program Descriptions

THIS SECTION of the IEEE TRANSACTIONS ON MICROWAVE THEORY AND TECHNIQUES will carry descriptions of computer programs which have specific relevance to the microwave art, and are available to the microwave public. The purpose of Computer Program Descriptions is to provide a means by which microwave engineers may share useful computer programs with their colleagues. A Computer Program Description is in a separate class of technical publication, being neither a technical article nor a technical correspondence.

Those wishing to contribute a Computer Program Description should observe the following constraints. The Computer Program Description should normally be no more than one published page (about 4 double-spaced, typed pages) in length, including flow charts, illustrations, and references, if any. The program need not be original with the person submitting the Computer Program Description, but if not, permission for publication will be required from the originator.

Program listings for very brief programs may be published as part of the Computer Program Description. Longer program listings will be deposited by the Editor with the National Auxiliary Publications Service (NAPS) according to the following procedure.

- 1) When a manuscript has been accepted, the Editor will request the originator to submit the complete program listing along with a check for \$6.50 (per each block of 60 or fewer pages) made payable to ASIS-NAPS.
- 2) The Editor will deposit the listing with NAPS, who will supply a document number and 10 microfiche copies, one of which will be retained by the IEEE TRANSACTIONS ON MTT, and the other 9 returned to the originator.
- 3) The following footnote will be published: "For complete program listing, order NAPS Document (number) from ASIS National Auxiliary Publications Service, c/o CCM Information Sciences, Inc., 22 West 34 Street, New York, New York 10001; remitting \$1.00 for microfiche or \$3.00 for photocopies."

In addition, the originator may agree to duplicate the program on tape, cards, or other medium supplied by anyone requesting the program.

Two copies of the Computer Program Description manuscript and one complete, operable and debugged program listing should be submitted to the Associate Editor of Computer Program Descriptions, who will see that it is reviewed for appropriateness and timeliness. The format for each Computer Program Description submitted should be as follows:

NAME: Acronym or other brief description.

PURPOSE: What the program does, in 25 words or less.

LANGUAGE: Preferably FORTRAN, ALGOL, or another recognized, high-level compiler language.

AUTHOR: Name and address of person who *originated* the program.

SPONSOR: Name and address of person submitting the program, if different than author.

AVAILABILITY: "Listing included in this description" if sufficiently brief; otherwise, "ASIS-NAPS Document No. ____." Indicate if other pertinent documents, instructions, or reports are to be filed with ASIS-NAPS. Also, if appropriate, include where and how other forms (cards, paper tape, etc.) of the program may be obtained.

DESCRIPTION: Give as much helpful information about the program and its uses as possible, within the suggested limitation on length. Include such things as program capabilities and limitations, word-storage requirements, special I/O equipment, batch or on-line processing, machine on which program has been run, and other information useful to a potential user. If appropriate, a typical example should be given, indicating accuracy, running-time, and any special precautions.

SUBMISSION: Submit all program descriptions to Prof. John W. Bandler, Department of Electrical Engineering, McMaster University, Hamilton, Ontario, Canada.