

Recent Papers by IBM Authors

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• *Editor's note:* Beginning with this issue, we have implemented a procedure that will provide a more complete and earlier listing of the papers published by IBM authors in other technical journals. The number of papers listed here is about double the usual number and reflects a typical reduction of reporting time by about two months.

• *Journals are listed alphabetically by title; papers are listed sequentially for each journal.*

A

On the Self Contained Modelling of DB/DC Systems, P. D. Welch (RES Yorktown Hts., NY), *Acta Informatica* 7, No. 2, 227-247 (1976).

An Example of Use of Computer as an Experimental Tool in Mathematical Research, L. Auslander (City University of New York), B. Dunham, and J. H. North (RES Yorktown Hts., NY), *Advances in Mathematics* 22, No. 1, 52-63 (1976).

Elementary Calculation for Momentum Correlation Function of a Particle in a One-Dimensional Box, S. Kim (RES San Jose, CA), *American Journal of Physics* 45, No. 1, 48-49 (1977).

X-ray Analysis of Particulate Matter Collected in an Environmental Monitoring Device, G. C. S. Collins (IBM United Kingdom Laboratories, Hursley) and D. Nicholas (Fulmer Research Institute, Stoke Poges, United Kingdom), *The Analyst* 101, No. 1208, 901-911 (1976).

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N

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• Book Abstract

Mathematical Models for Surface Water Hydrology, edited by T. A. Ciriani (IBM Italy, Pisa Scientific Center), U. Maione (Hydraulics Institute of the University of Pavia, Italy), and J. R. Wallis (RES Yorktown Hts., NY), John Wiley & Sons, Inc., New York, 1977.

This book discusses the development and use of mathematical models of hydrologic process in the planning and management of water resource systems. It is based on the proceedings of a workshop held at the IBM Scientific Center, Pisa, Italy. The book is divided into parts that deal with synthetic hydrology models, flood models, and computer programs.