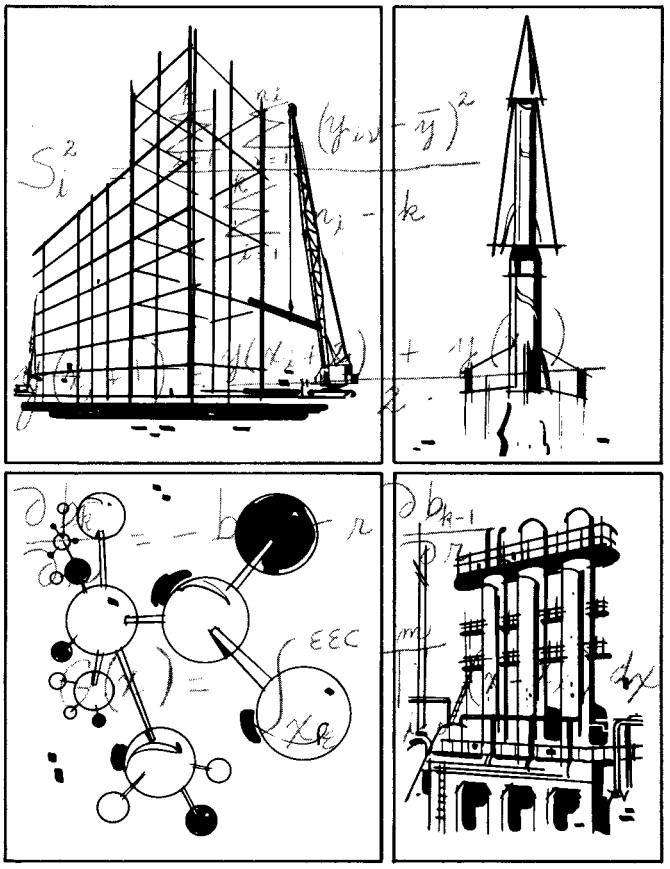
HONEYWELL

SOFTWARE ANNOUNCEMENT

SERIES 200



SCIENTIFIC SUBROUTINE LIBRARY

The Honeywell Scientific Subroutine Library is a collection of Fortran subroutines, optimized and fully supported by Honeywell for use by scientists and engineers in the applied sciences. These subroutines can be incorporated into main programs to solve a broad range of common problems in:

- Statistics
- Polynomial Operations
- General Matrix Operations
- Integration
- Numerical Analysis
- Graph Plotting
- Differential Equations
- Complex Mathematical Functions

For busy research scientists and development engineers, the library is an effective, timesaving tool. Rather than spending several days preparing scientific subroutines, they can utilize the tested library subroutines with the assurance that highly reliable solutions will be attained on the first program run.

The library subroutines are designed for efficiency and flexibility. For example, by employing general subroutines, the user is freed from any restrictions on input and output data formats in his main program. Adjusting the DIMENSION statements for arrays to meet his specific requirements assures him that a minimum number of memory locations is used. Also, the combining of selections from the library enables the user to build an efficient, tailor-made package to solve many of his applied mathematics problems.

Each subroutine in the library is short enough to allow the user to keypunch a Fortran source deck from the related Honeywell software manual (Order Number 424); any subroutine can be compiled by any Series 200 Fortran compiler.

Honeywell's dedication to providing software support for applied science will assure continuing additions to the Scientific Subroutine Library.

Specifications remain subject to change in order to allow the introduction of design improvements.

121.7005.0000.0-446
8666
Printed in U.S.A.

When ordering this publication please specify Title and Underscored portion of File Number.

Honeywell

ELECTRONIC DATA PROCESSING