ANNOUNCEMENT

ANNOUNCEMENT AND INVITATION TO PARTICIPATE IN THE INTERNATIONAL SYMPOSIUM ON STRUCTURAL MECHANICS SOFTWARE

12–14 June 1974

AN INTERNATIONAL Symposium on Structural Mechanics Software, sponsored by the Office of Naval Research and the National Science Foundation, will be held on 12–14 June 1974 at the University of Maryland, College Park, Maryland.

The Symposium will focus on the current state-of-the-art and future areas of research in structural mechanics software. Several key areas of software development and data management will be considered. Session topics will include the following:

Current Systems for Structural Software Dissemination
Remote System Software Sharing: Interactive and Batch Modes
Unified Data Bases and Modular Software Concepts
Pre-processors and Post-processors for Remotely Accessible Batch Programs
Mini-Computer and Network Systems
The Role of Computer Graphics: Software and Hardware Considerations
Requirements for Future Developments in Software Sharing
Survey of current Analysis and Design Structures Software.

A group of remotely accessible user-oriented programs will be assembled as a part of the Symposium and will serve both as an active example of the current state-of-the-art in several key areas of structural mechanics and as a possible means of making software more easily available to the technical community. Modified versions of the programs will be accessible by Symposium participants by means of teletype units and user reactions will be invited during the Symposium.

The Symposium solicits structural mechanics software for inclusion in the Symposium in the general areas of non-linear analysis, dynamic analysis, stability, plasticity, viscoelasticity and general shock and vibration. Programs submitted should address an analysis or degisn problem of current interest to the user community. Timesharing or batch mode programs, including special purpose, general purpose and pre- and post-processors for large structural programs such as NASTRAN, will be considered. To be eligible for consideration, 1000 word abstracts of programs must be received by 1 October 1973. Abstracts will be reviewed for topic suitability; programs with supporting documentation will be required by 1 December 1973. Notice of final acceptance will be made by 1 March 1974.

For further information, prospective contributors are invited to contact either:

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