EDITORIAL OBJECTIVES

The Journal of Testing and Evaluation is published bimonthly by ASTM as part of the Testing and Evaluation Series, which includes the Geotechnical Testing Journal (published quarterly) and Cement, Concrete, and Aggregates (published semiannually). ASTM, a nonprofit organization, develops voluntary consensus standards for materials, products, systems, and services.

The objective of ASTM's Journal of Testing and Evaluation is to provide a forum for presenting data derived from the testing and evaluation of materials, products, systems, and services of interest to the practicing engineer. Papers will be accepted on the grounds that they present new techniques or provide new information on existing methods of testing and evaluation, or that they contain new data resulting from testing and evaluation.

The importance of engineering standards to industry, national and international trade, and the protection of the public is now universally recognized. The technical validity of engineering standards—the international vocabulary of practical engineering communication—will be enhanced by continuing advances in methods of testing and evaluation.

Many of the articles appearing in the Journal of Testing and Evaluation are specifically presented to provide the basis for new or improved standard methods and to stimulate new ideas. If you have suggestions for possible areas of standardization, please contact Robert L. Meltzer, ASTM Publications, 1916 Race St., Philadelphia, PA 19103 (215/299-5430).

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Contributions to the Journal of Testing and Evaluation are subject to peer review, in accordance with the policy established by the ASTM Committee on Publications. Papers are reviewed on the basis of the inclusion of experimental data or mathematical derivations, or both, either as original work or as needed to confirm the theoretical conclusions or proposals, and their contribution to the permanent literature. The subject matter must not be of a speculative nature and the contents must not include materials of an advertising nature. The paper must not be seriously defective as to literary form and structure, continuity of thought, and clarity of expression. The substance of the paper should not have been published previously in the open literature.

Authors preparing papers for submittal should observe the conventions of style explained in the ASTM Style Manual. Since the journal does not request page charges, the author is expected to conform to these standard conventions for style. SI units are to be used throughout; if data were not measured in SI units, a note should appear to that effect and the original units should be included in parentheses after the SI units.

The original manuscript and four clear copies, including original illustrations, should be submitted to Rosemary Horstman, Managing Editor, Technical Journals, ASTM, 1916 Race St., Philadelphia, PA 19103.

General Information

This publication is one of many issued by ASTM in connection with its work in promoting knowledge of the properties and performance of materials, products, systems, and services, as well as in developing standard specifications and test measurement techniques to establish their value. Much of the information results from the voluntary contributions of many of the country's leading technical authorities from industry, scientific agencies, and government. A list of publications and information on the work of ASTM will be furnished on request.

In Appreciation

The high quality of the papers that appear in this publication is a tribute not only to the obvious efforts of the authors represented but to the unheralded, though essential, efforts of their reviewers. It is to the reviewers' dedication to upholding the high standards of their profession that this note pays tribute. On behalf of ASTM and the authors as well, we acknowledge with appreciation their important contribution to the success of this journal.