



# SMALL- CRACK TEST METHODS

LARSEN/ALLISON  
EDITORS



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# ***Small-Crack Test Methods***

*James M. Larsen and John E. Allison, editors*

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The quality of the papers in this publication reflects not only the obvious efforts of the authors and the technical editor(s), but also the work of these peer reviewers. The ASTM Committee on Publications acknowledges with appreciation their dedication and contribution to time and effort on behalf of ASTM.

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# Foreword

This book represents the proceedings of the Symposium on Small-Crack Test Methods sponsored by the joint ASTM E-9 on Fatigue and E-24 on Fracture Testing and Task Group on Small Fatigue Cracks. The symposium was held in the Hilton Palacio del Rio Hotel in San Antonio, TX, on 14 Nov. 1990. The symposium was organized by J. M. Larsen, U.S. Air Force, Wright Laboratory, Wright-Patterson Air Force Base, OH, and J. E. Allison, Research Staff, Ford Motor Company, Dearborn, MI, who also served as coeditors of this Special Technical Publication (STP).

This publication presents state-of-the-art reviews from leading experts on methods for characterizing small-crack behavior. It should be of use to students and practicing researchers in the fields of materials science and engineering and mechanical engineering.

The editors would foremost like to express their appreciation to the authors for their high quality manuscripts and responsiveness to reviewer comments. Special appreciation is due to the many reviewers who have sacrificed their time and effort in ensuring the accuracy and high quality of the papers included in this publication. We would also like to commend the ASTM staff, who provided for the smooth administration of the symposium (Dorothy Savini and Patrick Barr) and the editorial review of this publication (Monica Siperko, Rita Hippensteel, and Kathy Dernoga). Finally, we gratefully acknowledge the support of our own organizations: the U.S. Air Force and Ford Motor Company.

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