

# **THE INFLUENCE OF STATE OF STRESS ON LOW-CYCLE FATIGUE OF STRUCTURAL MATERIALS:**

*A LITERATURE SURVEY  
AND INTERPRETIVE REPORT*

*Prepared for the*  
**METAL PROPERTIES COUNCIL**  
*by Erhard Krempl*

**STP 549**



AMERICAN SOCIETY FOR TESTING AND MATERIALS

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## **Related ASTM Publications**

**Effects of Notches on Low-Cycle Fatigue, STP 490 (1972), \$3.00 (04-490000-30)**

**Manual on Low Cycle Fatigue Testing, STP 465 (1970), \$12.50 (04-465000-30)**

**Cyclic Stress-Strain Behavior—Analysis, Experimentation, and Failure Prediction, STP 519 (1973), \$28.00 (04-519000-30)**

