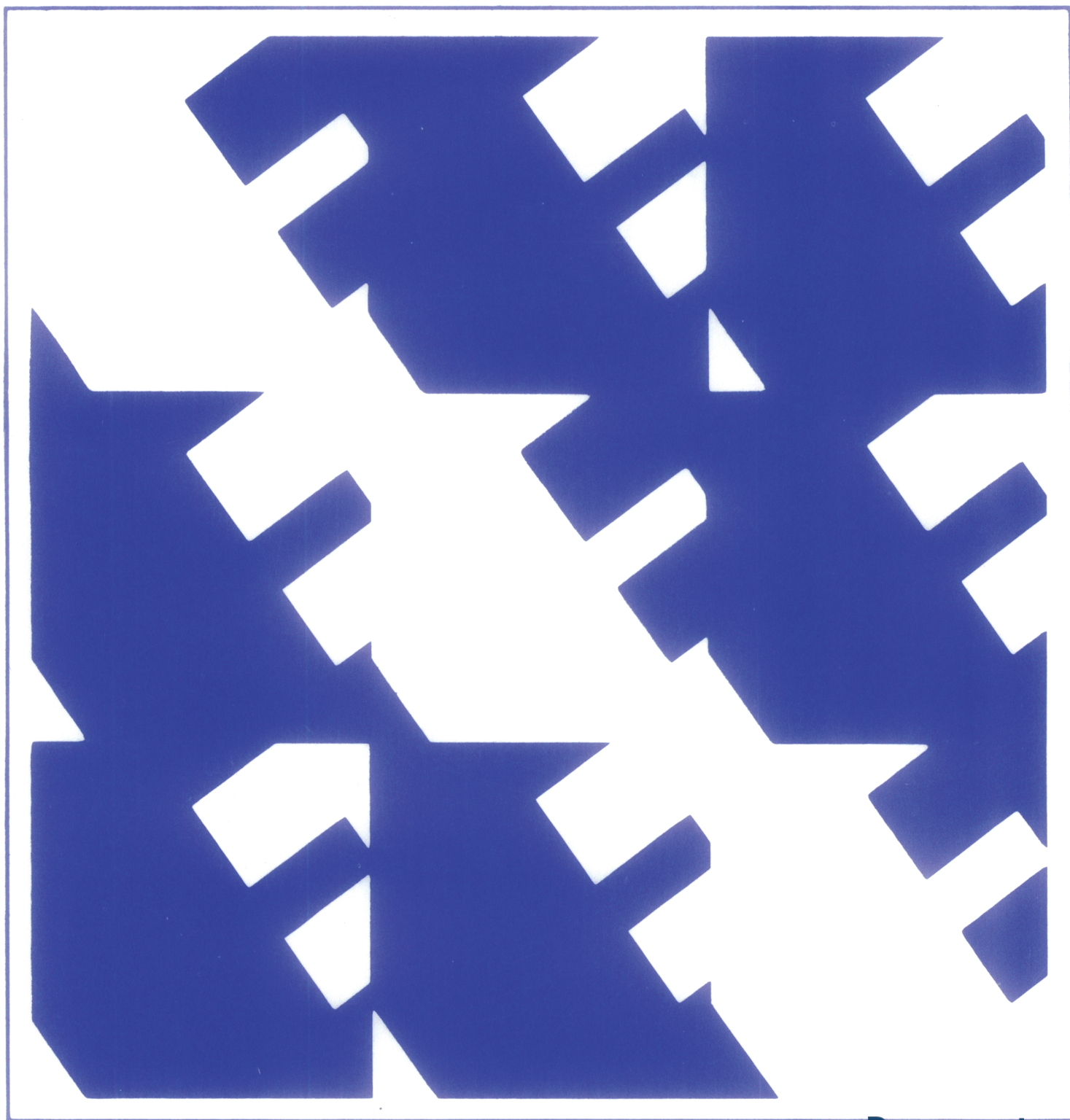


# IEEE Standard Techniques for Determination of Germanium Semiconductor Detector Gamma-Ray Efficiency Using a Standard Marinelli (Reentrant) Beaker Geometry

ANSI/IEEE Std 680-1978



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*An American National Standard*  
**IEEE Standard Techniques for  
Determination of Germanium Semiconductor  
Detector Gamma-Ray Efficiency Using a Standard  
Marinelli (Reentrant) Beaker Geometry**

Sponsor

Nuclear Instruments and Detectors Committee of the  
IEEE Nuclear and Plasma Sciences Society

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## Foreword

(This Foreword is not a part of ANSI/IEEE Std 680-1978, Techniques for Determination of Germanium Semiconductor Detector Gamma-Ray Efficiency Using a Standard Marinelli (Reentrant) Beaker Geometry.)

This standard defines a sample geometry and measurement techniques for determination of gamma-ray efficiencies of germanium semiconductor detectors. ANSI/IEEE Std 325-1971 (Reaff 1977), Test Procedures for Germanium Gamma-Ray Detectors, is a related document.

This standard was reviewed and balloted by the Nuclear Instruments and Detectors Committee of the IEEE Nuclear and Plasma Sciences Society.

At the time of approval of this standard, the membership of the Nuclear Instruments and Detectors Committee of the IEEE Nuclear and Plasma Sciences Society was as follows:

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