



Designation: **G 117 – 9802**

Standard Guide for Calculating and Reporting Measures of Precision Using Data from Interlaboratory Wear or Erosion Tests¹

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1. Scope

1.1 This guide offers direction on the handling of data from interlaboratory tests for wear or erosion. It describes a format for entering data and for subsequently reporting results on measures of precision in a Committee ~~G-2~~ G02 standard. It indicates methods for calculation of the needed statistical quantities.

1.2 The document offers guidance based on a Committee ~~G-2~~ G02 consensus, and exists for the purpose of emphasizing the need to use established statistical practices, and to introduce more uniformity in reporting interlaboratory test results in Committee ~~G-2~~ G02 standards.

1.3 An example of how the methods described in this guide may be applied is available in personal computer format (DOS type system) on floppy disk as a spreadsheet (LOTUS, rel. 4) file. The purpose is to facilitate use of the methods in this guide. The example file contains all needed equations in the recommended format and can be edited to accept new data. ASTM Headquarters or the Chairman of ~~G-2~~ G02 should be contacted for a copy of that computer file. The user must have spreadsheet software (for example, LOTUS or compatible) available.

¹ This guide is under the jurisdiction of ASTM Committee ~~G-2~~ G02 on Wear and Erosion and is the direct responsibility of Subcommittee G02.20 on Computerization in Wear and Erosion.

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