

# An Introduction To Uncertainty In Measurement Using The GUM (guide To The Expression Of Uncertainty In Measurement)

by Les Kirkup; Bob Frenkel

1 Sep 2010 . Introduction The GUM defines measurement uncertainty as a parameter, Evaluation of measurement data – Guide to the expression of uncertainty in of uncertainty in measurement – Propagation of distributions using 14 May 2004 . Guide to the expression of uncertainty in measurement. (GUM) — Supplement 1: Numerical methods for the propagation of distributions. Guide Introduction 2 6 Calculation using Monte Carlo simulation 9. Evaluation of measurement data - Guide to uncertainty in . An introduction to uncertainty in measurement using the GUM (guide . The Guide to the Expression of Uncertainty in Measurement - FIG An introduction to uncertainty in measurement using the GUM (guide to the expression of uncertainty in measurement) / L. Kirkup and R. B. Frenkel. Book The importance of uncertainty in science and technology; 2. Measurement Joint Committee for Guides in Metrology - Wikipedia, the free . Conclusions: The GUM uncertainty should be applied to measurements in . the concentration of glucose in blood) is estimated using a measurement procedure. .. a correction factor for the bias introduced by the sampling process (including JCGM - Joint Committee for Guides in Metrology - ISO 7.5 Best estimate, standard measurement uncertainty and coverage interval . . . . . 12 . GUM-S1. Propagation of distributions using a Monte Carlo method An introduction to the “Guide to the expression of uncertainty in mea-. Teaching Measurement and Uncertainty the GUM Way - UCT Physics

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