



Data Evaluation Theory and Practice for Materials Properties

By NIST

CreateSpace Independent Publishing Platform. Paperback. Book Condition: New. This item is printed on demand. Paperback. 78 pages. Dimensions: 11.0in. x 8.5in. x 0.2in. Data evaluation is the process by which collections of data are assessed with respect to reliability, completeness, and consistency. The present work addresses data evaluation for materials properties as a scientific discipline that evolves from the formal underpinnings of materials metrology. A theoretical foundation for data evaluation is developed and then illustrated in a practical application to the development of an operational protocol for materials property data. An extensive collection of examples is used to examine, in succession, the issues of accessibility, reproducibility, consistency, and predictability. Distinctions are made among definitive relations, correlations, derived and semiempirical relations, heuristic theories, and value estimates. Subtopics include the use of properties as parameters in models, the interpretation of ad hoc parameters, and the treatments of procedural properties, response dependent properties, and system dependent data. This item ships from La Vergne, TN. Paperback.



READ ONLINE
[6.8 MB]

Reviews

Completely essential go through pdf. It really is simplistic but excitement within the fifty percent in the ebook. Your lifestyle period will be change when you full reading this pdf.

-- **Shaun Bernier II**

Complete manual! Its such a great study. It really is writter in straightforward phrases rather than hard to understand. You are going to like the way the article writer create this publication.

-- **Ike Fadel**