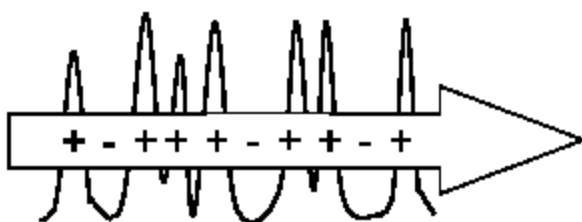


Concepts and Applications of the Term “Dimensionality” in Analytical Chemistry (IUPAC Technical Report)

by K. Danzer, J. F. van Staden, and D. T. Burns

Pure and Applied Chemistry,
Vol. 74, No. 8, pp. 1479–1487 (2002)

The analytical chemistry community has used the term “dimensionality” to mean several different things. On different occasions, analysts speak about “two-dimensional” analytical methods, for example, 2D nuclear magnetic resonance spectroscopy, 2D thin-layer chromatography, “two-dimensional” or “three-dimensional” analytical information, “two-dimensional” or “three-dimensional” images in surface analytical chemistry, and of “m-dimensional” analytical data obtained, for example, as a result of multicomponent analyses. These examples show that the use of the term “dimensionality” is at times contradictory. This confused position does not promote the unequivocal application of the term in analytical chemistry. The aim of this document is to provide a concept for the use of the term “dimensionality” as it is related to analytical information.



One-dimensional information (in z-direction; qualitative signal evaluation, signal identification)

 www.iupac.org/publications/pac/2002/7408/7408x1479.html

The “Purple Book” in Portuguese: *Compêndio de Nomenclatura Macromolecular*

by C. Andrade, F. Coutinho, M. Dias, E. Lucas, C. Oliveira, and D. Tabak (eds.)

e-papers, Rio de Janeiro, Brazil, 2002.
(ISBN 85-87922-31-9)

This compendium of IUPAC recommendations on macromolecular nomenclature provides definitions of terms relating to polymers and rules for naming polymers based on structure or source. An introduction to macromolecular nomenclature and a bibliography of biopolymer-related nomenclature recommendations are also included. The IUPAC-approved terminology and nomenclature are intended to improve communication in the scientific community by providing standardized descriptions of the materials and processes for polymer science and technology.

 www.iupac.org/publications/books/author/metanomski.html

Definitions, Terminology, and Symbols in Colloid and Surface Chemistry

by D. H. Everett

Pure and Applied Chemistry,
Vol. 31, No. 4, pp. 579–638 (1972)

Online version coordinated by L. K. Koopal

Over the past 30 years, the *Manual on Definitions, Terminology, and Symbols in Colloid and Surface Chemistry*, prepared by D.H. Everett, has lost very little of its significance for the community of people working in the field of colloid and surface chemistry. To make this manual widely available to the interested public, the IUPAC Commission on Colloid and Surface Chemistry including Catalysis has decided to reproduce the manual on the Internet. In order to bring more recent recommendations to the attention of the reader, annotations have been added as footnotes that are clearly marked as “(2001).” In most cases these annotations just refer to other IUPAC documents, while in a few cases they provide some new definitions and symbols.

 www.iupac.org/reports/1972/3104everett