Erratum

Fresenius J Anal Chem (1991) 337:220–224

History of the relationship chemistry – mathematics

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The scheme on p. 221 (top of first column) should correctly be as follows:

Experimental findings

The mathematical tools of physical and chemical theories are derived by abstraction processes from experience. Constructive mathematics, inasmuch it is confined to the use of potential infinity only, includes only a part of the set of such mathematical tools. Instead, the same set is fully included by Weyl's elementary mathematics, operating at a minimum level of actual infinity; then, at higher levels, it is included by rigorous mathematics and by non-standard analysis.