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THE CONCEPT OF THEOREM IN CHEMICAL SCIENCE

Abstract

We show on various problems of molecular structures that theorems are stated in Chemistry independently of the reductionism-holism dilemma in this science. Their writing in ordinary mathematical style is dependent obviously on the degree of axiomatisation of the chemical theory. If several mathematical models are presented for interpreting some physical facts, most often they are ultimately equivalent from conceptual as well as practical viewpoints. This is in direct relationship with the specificity of chemical explanations in terms of chemical structures.