



(BIO)-DIVERSITY: AN INTRINSIC PROPERTY OF THE UNIVERSE

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Wednesday 24th November 2021, at 6:30pm
Sala Conferenze, ex Ospedale Militare
Via Fabio Severo 40, Trieste and on Zoom

The concept of Bio-Diversity is revisited in terms of Similarity Theory. This theory is presented considering its implications in evolutionary processes, successional trends and gradient analysis of Environmental Systems. The ways to measure diversity are examined and in particular it is discussed the concept of hierarchical diversity and the relationships between classifications and separation between classes of

objects. It is stressed the importance to keep separate the concept of similarity-dissimilarity from that of diversity (that always remains an emergent property of a system, i.e. a well defined set of elements) and a very flexible way to measure diversity is presented on the basis of matrix algebra, this is compared with the formulas of entropy "generalizations" made by Reyni, Hill and Patil.