



ergodicity and chaos in geomorphology

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The past three decades can be considered as a period in which the fundamentals of scientific epistemology have been subjected to drastic revision. The dissemination of the general theory of systems in 1972, one year after the death of Ludwig von Bertalanffy, the proposition of fuzzy logic by Zade, and the formulation of chaos theory in 1986 by Harrison and Biswas all served to explode the myth that scientific thought was invulnerable.

This paper, which has resulted from the theoretical investigation of a project based on the paraglacial sediment and glacial evidence on the Zagros-Pishkoh to explain the elements of chaos theory and their compatibility with ergodic geomorphology