

5th International Congress on **PHYSICS**

August 10, 2022 | Webinar

Sudden self-similarity between nano and human scale mass societies: T-patterns, T-strings, T-societies, and textual viruses**Magnus s. Magnusson***University of Iceland, Iceland*

This paper results from work inspired in the 1960s by Crick and Watson's discovery of the DNA structure and code and Tinbergen, Lorenz, and von Frisch's ethological (biology of behavior) discoveries, rewarded by shared Nobel Prizes in Physiology or Medicine, respectively, in 1962 and in 1973. Results and conclusions of my own interdisciplinary research, in a multitude of collaborations, since the early 1970s, are here presented mostly based on a recent paper entitled "T-patterns, external memory and mass-societies in proteins and humans: In an eye-blink, the naked ape became a string-controlled citizen". This work has included the development of mathematical pattern types called T-pattern and the T-patterned string or T-string, with corresponding software (THEME) for TPA the detection analysis of T-patterns, which are a special kind of statistical fractals typically composed of many categories of points (multimodal) and recurring on a single dimension with significant translation symmetry.

Biography

Magnus S. Magnusson, Ph.D., Research Professor Emeritus. 1991 founder and director of the Human Behavior Laboratory, University of Iceland. Author of the T-Pattern Self-similarity Mass Society Model and the corresponding THEME software (PatternVision). Co-directed the three-year Icelandic Research Council-supported project "DNA analysis with Theme".