



The Coupling-Transplantation Effect (CTE) and Differential Analytical-Physics-Topology Principle (DAPTP) in Ionospheric-Atmospheric-Oceanographic-Climatic-Seismic Processes Complex (IAOCSPC) with Observations in Specific Istanbul Domain Topology (SIDT)

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If A and B are physical events at $t=t_1$ and $t=t_2$, respectively, in the same differential topological domain where $t_1 < t_2$ then A and B may attract each other through bidirectional communication-like information even if A and B are not in the same physical category. This fact comes from the similarity effect of physical events those obey always to a 2nd order partial differential equation, PDE at specific boundary conditions, SBCs. The coefficients in the operator part and the source function part of the PDE and propagation factors of the eigenfunctions in the solution and SBCs differ from an event category to other event category; however stochastic interpretations of these coefficients, source functions, eigenfunctions, and SBCs bring a unique and compact boundary value problem, BVP. We call network BVP this type of extended BVPs. The common parts of different types of events A and B in the same BVP scheme are topology and boundary surfaces of the same domain. The relationship between event A and event B is based on inversely transferring of boundary values, source functions, and coefficients between each other of the events through topological transformations, TTs. These TTs establish the bidirectional information communication between both climatic and seismic processes. All the natural events and hazards involving disasters are the self-control mechanism of the Completely Compact Earth Network, CCEN. The sea is a way and transfer medium for waves by Pascal's rule.

The constrainers of Present Natural Hazards, PrNHs, are the Future Natural Hazards, FuNHs. The Past and/or Backward NHs (PaNHs, BwNHs) completed their results and could not effect to the PrNHs.

The results obtained with the methods of classical geophysics built on the classical Newton's mechanics does not reflect the real processes, RPs for the magnitudes more than 5.9 Richter. The approaches built on Einstein's relativity can not generate RPs for the interwall of over 6.9 Richter; i.e., a temporal transportation occurs in the last domain: Kocaeli-Mediterranean Sea EQ in 1999 is a result of both backward majorant propagation effect, BMaPE of Hector Mine EQ occurred after itself and forward majorant propagation effect, FoMaPE of the seismicity to Future Istanbul Earthquake, sFIEQ. This means the raising period of FIEQ is released. The constrainer of 1999

Taiwan EQ is a result of BMaPE of Duzce EQ occurred after itself. The constrainers of 2019 Silivri, Albania, and Athens EQs are the FIEQ desired in demand for future but never come. 1999 Avcilar EQ is a result of backward minorized propagation effect, BMiPE of the sFIEQ. This means the waiting/relaxation period of FIEQ is suspended. These are figured from the specific records of these events observed during 1999-2004 and 2018-2020. The couplings among ionospheric, atmospheric, oceanographic, climatic, and/or seismic processes provide the communication among the events of different categories in here. We define this principle as the spati-o-temporal transplantation effect in EQ processes.

The SIDT is the most safe region on the Earth for the majorant earthquakes and preserves this property iff inconvenient/unnatural buildings and major excavations are excluded from this topology.