

Informational nature of nonlocal self-organizations and fundamental forces

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The field distribution of mass and charge according to Shannon's law of information transfer allows us to reinterpret the phenomenon of long-range interaction in nonlocal self-organization of continuous densities of matter (doi.org/10.3390/particles6010007 ; doi.org/10.1080/14685248.2021.1953698). Correlations of tensor stresses in continuous material space are instantaneous, as is the reduction of the wave function for macro-quantum entanglement after the appearance of dissipation. The implications of the rejection of Einstein's and Maxwell's theories by the dual model of particle and its fields are discussed. For QCD, the referents of information theory and the consistent transition to the monistic unity of field matter without the void can also be expected.

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