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New physics from pseudo-Hermiticity

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Physical frameworks are often at their most interesting when we stress-test their underlying assumptions. This is no less true of quantum field theory, and no less true of relaxing the constraint of Hermiticity of the Hamiltonian. I will review progress in pseudo-Hermitian quantum field theory and argue that non-Hermiticity represents an exciting paradigm in which to attack long-standing problems in modern physics.

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