

Time Crystallinity in Kerr-nonlinear Optical Resonators

HOSSEIN TAHERI

*University of California at Riverside
Riverside CA, USA*

We introduce a photonic platform for realizing dissipative discrete time crystals. Through theory and experiments, we show that this system manifests clear discrete time translations symmetry and its spontaneous breaking resulting from the cubic nonlinear interaction of photons in the thermodynamic limit [1–5].

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