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Twin Turtles

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We present an ultraviolet extension of the Twin Higgs in which the radial mode of twin symmetry breaking is itself a pseudo-goldstone boson. This "turtle"structure raises the scale of new colored particles in exchange for additional states in the Higgs sector, making multiple Higgs-like scalars the definitive signature of naturalness in this context. We explore the parametrics and phenomenology of a concrete Twin Turtle model and demonstrate its robustness in two different supersymmetric completions.

Co-authors: CRAIG, Nathaniel (University of California, Santa Barbara); LI, Ying-Ying (The Hong Kong University of Science and Technology)

Presenter: ASADI, Pouya (Rutgers University)

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