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Twisting and untwisting reality.

Conformally rescaled spectral triples that were studied in recent years are not real (with the first-order condition for the Dirac operator) yet they could have a twisted version of a real structure and first-order condition. We study the possible twists and relations between various versions of reality (real twisted spectral triples, spectral triples with twisted real structure) and discuss the untwisting procedure. Based on joint work with T. Brzezinski and L.Dabrowski.