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Real cyclotomic spectra

Abstract: (joint work with Jay Shah) The theory of cyclotomic spectra, introduced by Blumberg—Hill and developed further by Nikolaus—Scholze, provides several theoretical and computational tools for accessing the topological Hochschild homology and topological cyclic homology of ring spectra. In this talk, I will discuss the theory of real cyclotomic spectra, a $C2$-equivariant enrichment of cyclotomic spectra, and some of its applications towards the computation of real topological cyclic homology.