SOME COMPUTATIONS IN GENUINE C_3-EQUIVARIANT HOMOTOPY THEORY

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Time：Fri, Dec. 26, 16: 00-17: 00

Venue：Room 102, SCMS

Tencent Meeting ID: 967 373 066   Password: 765659

Abstract:

I will report on some computations in genuine C_3-equivariant stable homotopy theory, motivated by attempts to understand C_3-equivariant analogues of Brown–Peterson theory. I will talk about computational input coming from the C_3-equivariant dual Steenrod algebra and related lifting/extension phenomena in k-invariant–style constructions. The talk is intended as a progress report on joint work with Angelini-Knoll, Behrens and Johnson, highlighting what is currently understood and what remains unclear.