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Jonathan A Campbell* (jonalfcam@gmail.com). *Some Homotopical Computations in Physics.*

In this talk I'll describe some homotopical computations that lead to classifications of symmetry protected phases. The computations are in agreement with physical literature, despite wildly different methods. In some sense, this can be regarded as an "experimental" verification of the cobordism hypothesis. (Received August 29, 2019)