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Title: Twists of stable homotopy theory

Abstract: I will talk about work in progress developing the theory of "twisted spectra". Roughly one can think of a twisted spectrum over a fixed topological space B as a global section of a bundle of stable infinity-categories over B which has fiber the category of spectra. I will describe several ways of thinking about such objects, as well as some of their basic structural properties. I will also discuss how they appear naturally in the setting of Floer homotopy theory, as a way of dealing with manifolds which are "non-trivially polarized". This is part of joint work with A. Hedenlund.