

On the geometrization of synthetic spectra

Marius Nielsen, Norwegian University for Science and Technology

The category of synthetic spectra is a 1-parameter deformation of the category of spectra, deforming the Adams-Novikov spectral sequence. The Adams-Novikov spectral sequence is a particular example of a descent spectral sequence, so a reasonable question is whether such a category exists for any stack. In this talk I will provide an answer in the affirmative, and discuss how it compares to Pstragowski's definition with regards to the stack whose descent spectral sequence is the Adams-Novikov spectral sequence.