

Daniel Kriz, Motivic spaces and spectra and the plectic conjecture

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Abstract. We formulate a motivic homotopy version of the plectic conjecture of Jan Nekovář and Tony Scholl by constructing a category of r -plectic motivic spaces and spectra, using the theory of Morel and Voevodsky. We show that this category satisfies the basic properties conjectured by Nekovář-Scholl in the case of pure Shimura data. This is joint work with Po Hu, Igor Kriz and Petr Somberg.