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Princeton, NJ 08540. *The homotopy of  $\mathbb{R}$ -motivic image-of- $J$  spectrum.*

Bachmann–Hopkins defines the motivic “image of orthogonal  $j$ ” spectrum over base fields with characteristic not 2. In this talk, I will talk about the effective slice computation of this spectrum over the real numbers. Analogous to the classical story, the result captures a regular pattern that appears in the  $\mathbb{R}$ -motivic stable stems. This is joint work with Eva Belmont and Dan Isaksen. (Received August 20, 2021)