

Topology Seminar

Jeremy Hahn

of MIT will be speaking on

Redshift for truncated Brown-Peterson spectra

on December 7 at 4:30 in
MIT Room Zoom

Ausoni and Rognes calculated that $K(ku)$ has chromatic height 2, at least at primes larger than 3. Their redshift philosophy more generally suggests that the algebraic K-theory of a height n ring spectrum should have height $n+1$. I will explain work, joint with Dylan Wilson, in which we equip $BP(n)$ with an $E_3 - BP -$ algebra structure for all primes p and heights n . The algebraic K-theory of this E_3 ring has chromatic height $n+1$, giving an example of redshift at arbitrary height. To show the ideas I may present quick proofs, at the prime 2, of the fact

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