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Rajula Srivastava* (rsrivastava9@wisc.edu), Madison, WI 53715. *Wavelet Systems as Unconditional Bases in Sobolev Spaces*. Preliminary report.

In this talk, we consider for various wavelet systems, the following problem: on which Sobolev spaces does the system form an unconditional basis? We also consider the analogous problem on Triebel-Lizorkin spaces. This builds upon previous work of Seeger and Ullrich, which established a precise range in the case of the Haar system. (Received January 21, 2020)