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William Graham, Martha Precup and Amber Russell* (acrusse3@butler.edu). *Paving Extended Springer Fibers*. Preliminary report.

The study of Springer fibers has been an interesting and important part of representation theory for the past several decades. More recently, William Graham, Martha Precup, and I have been studying extended Springer fibers in Type A_n . These come from a map defined by Graham, which factors through the Springer resolution. We've shown in past work that this map has an interesting connection to Lusztig's generalized Springer correspondence. In this talk, we will recall that Springer fibers have an affine paving, and then use this to see the extended Springer fibers admit a paving by affines modulo a finite group. All results are in Type A_n , and we will particularly focus on a connection with Young tableaux. (Received September 20, 2021)