1171-13-215   **Rankeya Datta*** (`rankeya@uic.edu`) and **Kevin Tucker**. *Openness of splinter loci.*
A splinter is a notion of singularity that has seen numerous recent applications, especially in connection with the direct summand theorem, the mixed characteristic minimal model program, Cohen-Macaulayness of absolute integral closures and cohomology vanishing theorems. Nevertheless, many basic questions about these singularities remain elusive. One outstanding problem is whether the splinter property spreads from a point to an open neighborhood of a noetherian scheme. In this talk, which is based on joint work with Kevin Tucker, we will address this question in prime characteristic using the theory of F-singularities. (Received August 12, 2021)