1158-54-125   **Pawel Grzegrzolka*** (`pawelg@stanford.edu`) and **Jeremy Siegert**. *Inductive dimension of coarse proximity spaces.*

In this talk, we define the asymptotic inductive dimension, asInd, of coarse proximity spaces. In the case of metric spaces equipped with their metric coarse proximity structure, this definition is equivalent to the definition of asInd given by Dranishnikov for proper metric spaces, which include finitely generated groups with the associated word metric. We show that if the boundary of a coarse proximity space is completely traceable, then the asymptotic inductive dimension of the space is equal to the large inductive dimension of its boundary. (Received February 26, 2020)