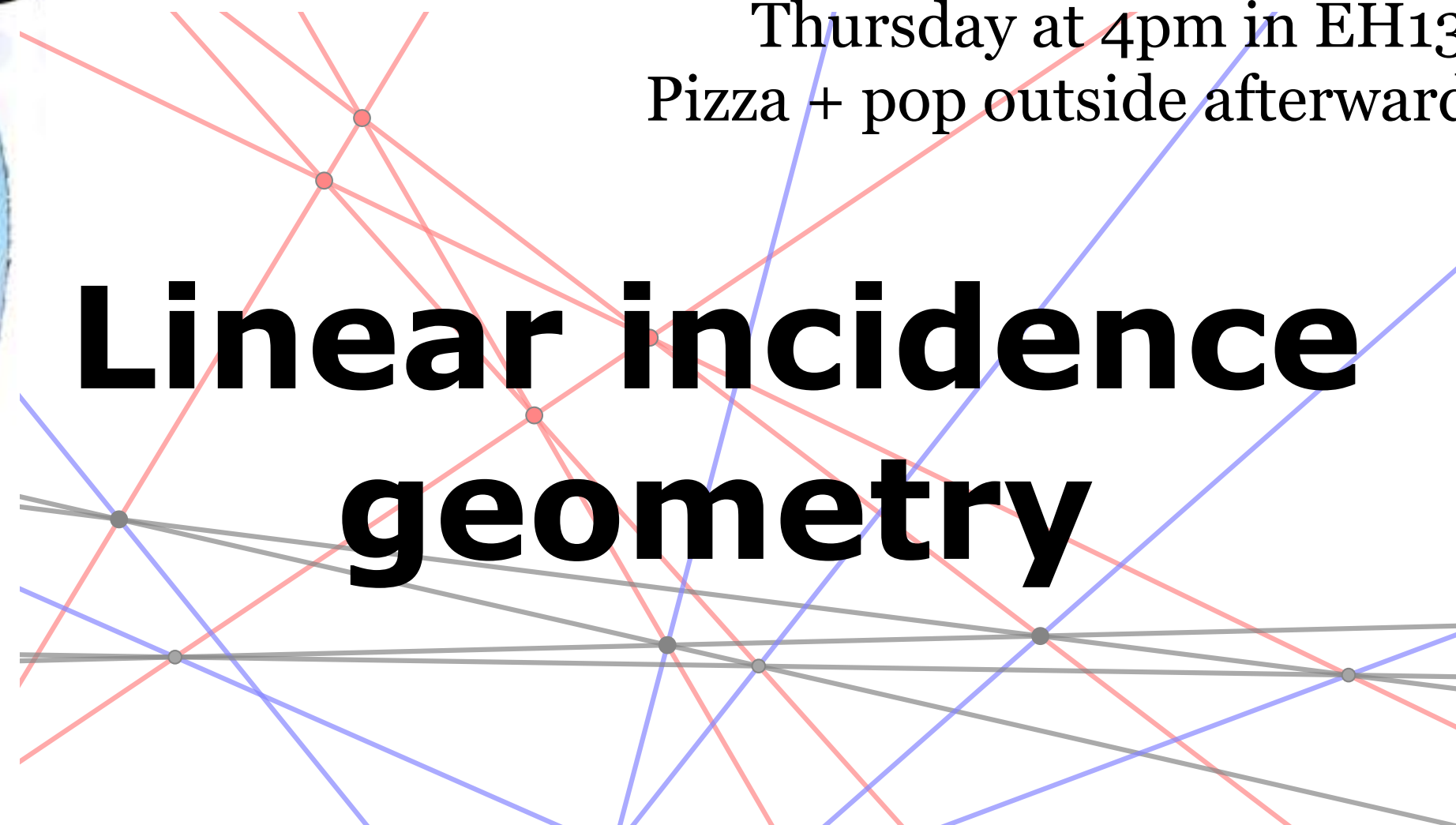
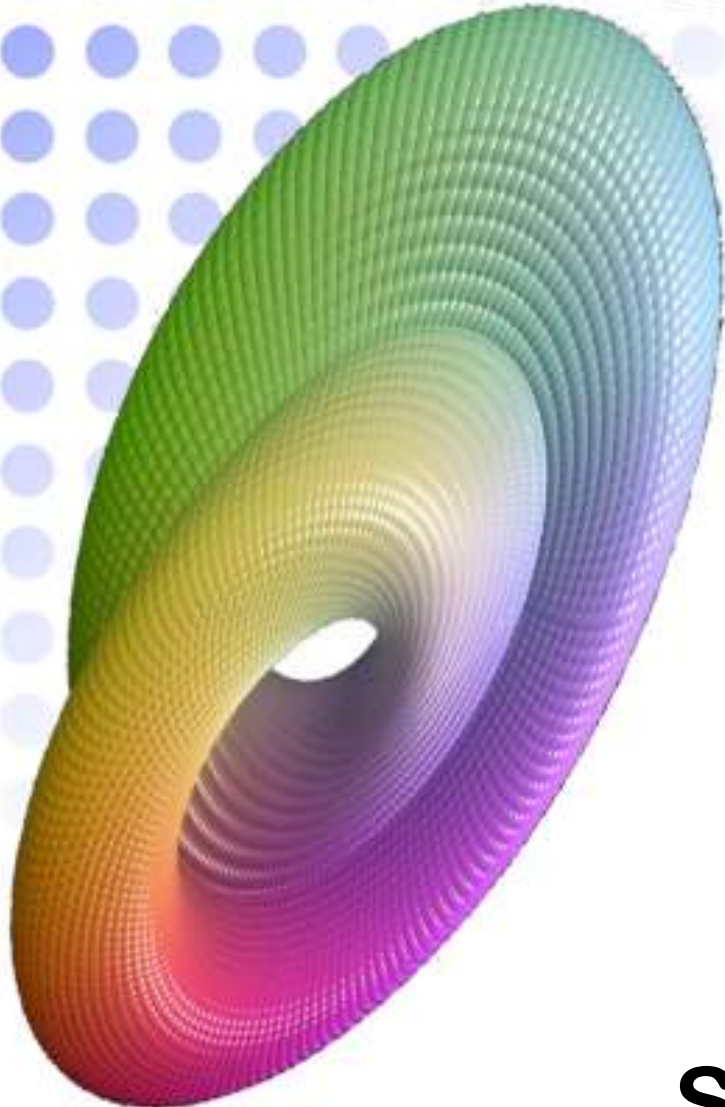


Michigan Math Club



Thursday at 4pm in EH1360
Pizza + pop outside afterwards!!



Linear incidence geometry

Sergey Fomin

25 January 2024



Since antiquity, mathematicians have studied finite configurations of lines on the plane (or lines and planes in the 3-space, etc.). Important results in this area include the incidence theorems due to Pappus, Desargues, and Möbius. I will explain how these theorems can be interpreted as special cases of a single "master theorem" that involves an arbitrary tiling of a closed oriented surface by quadrilateral tiles.