Laurent Manivel, Université de Grenoble *The classification of prime Fano threefolds of index one* (Graduate Lecture)

Fano threefolds were classified by Mori and Mukai in the 1980’s. I will present a part of this classification essentially due to Iskovskih, which treats the case of prime Fano threefolds of index one. In particular I will explain the relations with Lie groups and their homogeneous spaces, and with compactifications of the three dimensional affine space.