

1133-46-277

**Hanfeng Li\*** (hfli@math.buffalo.edu), Math Department, SUNY at Buffalo, Buffalo, NY  
14260, and **Bingbing Liang**. *Mean dimension and von Neumann-Lueck rank*.

Mean dimension is an invariant in topological dynamics, while von Neumann-Lueck rank is closely related to L2-Betti numbers. I will discuss the relation between these two invariants in the setting of algebraic actions. This is joint work with Bingbing Liang. (Received July 28, 2017)