Ampleness

Katrin Tent

Abstract

Ampleness is a property that reflects the existence of geometric configurations behaving very much like projective space over a field.

I will explain the notion of ampleness and show that n-dimensional free pseudospaces are ω-stable and n-ample, but not $n+1$-ample extending work by Baudisch and Pillay.

In the same vein we show in joint work with Ould Houcine that the theory of the free group–and more generally the theory of any torsion-free hyperbolic group–is n-ample for any n.