

1118-35-125

Tristan C. Collins* (tcollins@math.harvard.edu), **Gabor Szekelyhidi** and **Valentino Tosatti**. *Induction on dimension*.

I will discuss how, in some geometric problems in Kahler geometry, induction on dimension can be used to produce (possibly singular) barrier functions for elliptic and parabolic equations. The main focus will be on the Kahler-Ricci flow, or Monge-Ampere equation, and the J-flow. (Received January 27, 2016)