On projective varieties of large canonical volume

Zhi Jiang

Université de Paris-Sud

Tsuji, McKernan-Hacon, and Takayama proved that for each n, there exists a positive integer $C(n)$, such that the m-canonical map is always birational for $m > C(n)$ and for all smooth projective varieties X of general type. However, it remains an open question to compute these constant $C(n)$. In this talk, I will discuss pluricanonical systems of varieties of very large canonical volume. This is a joint work with Meng Chen.