

abstract

HERMANN WEYL LECTURES

Topic:

Speaker:

Affiliation:

Date:

Time/Room:

Lecture 4. The Ax conjecture and degenerations.

Originating with his studies on the logic of finite fields, James Ax conjectured that every PAC field is \bar{C}_1 . The recent proof of this in characteristic 0 is connected with degenerations of rationally connected varieties. Work of Hacon, Hogadi, K., McKernan and Xu.