

FRAGMENT

EFFECTIVE CONE OF THE MODULI SPACE OF CURVES

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The cone of effective divisors plays a central role in the study of birational geometry of a variety X . In this talk I will give a short survey on this subject, with a focus on the case when X is the moduli space of curves with marked points. Moreover, I will report some recent progress in low genera. If time allows, I will also discuss some work in progress towards understanding higher codimensional geometry of the moduli space of curves. Part of the talk is based on joint work with Izzet Coskun.

March 4, 2014

3:00 p.m.

MATH 220