Stanford Algebraic Geometry Seminar

COUNTING RATIONAL CURVES OF ARBITRARY SHAPE
IN PROJECTIVE SPACE

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Abstract:
I will present a method for solving virtually every problem of enumerative algebraic geometry concerning rational curves in projective spaces. This approach involves only the basic understanding of the topology of moduli spaces of rational maps and makes no use of their finer properties as algebraic stacks. Applying this method in each specific case is completely straightforward. As an illustration, I will discuss counting rational triple-pointed and tacnodal curves in the three-dimensional projective space. The computational method itself should be applicable to enumerative kinds of problems in other settings as well.

Friday, October 18
4:20 p.m.
Room 383–N
(Note changed time, this week only!)