



Seminar/Talk

# Counting maps with prescribed incidence conditions

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Host: Tamas Hausel

The question of computing the number of maps of fixed degree  $d$  from a curve to a target variety  $X$  and verifying  $n$  incidence conditions can be viewed as a counterpart of the problem of determining the Gromov-Witten invariants of  $X$ . Using degeneration and Schubert calculus, we solve this problem when the target variety is the projective space of dimension  $r$ , and determine these numbers completely for linear series of arbitrary dimension when  $d$  is sufficiently large. Our formulas generalize recent results of Tevelev and of Cela-Pandharipande-Schmitt. Joint work with C. Lian.

**Wednesday, May 25, 2022 02:00pm - 04:00pm**

Heinzel Seminar Room (I21.EG.101), Office Building West



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