

# Some problems on linear systems on rational curves

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In this talk, we address the two following subjects: getting an estimate for the dimension of the generalized Severi variety  $M(d,g,n)$  parameterizing degree- $d$  rational curves of genus  $g$  on the  $n$ -dimensional projective space; and also obtaining a bound for the gonality of a given rational curve in terms of its genus.