

SEMINÁRIO DE GEOMETRIA

29 outubro | 15:00 | sala 6.2.33

Enumeration of rational contact curves via torus actions

Giosuè Muratore (CMAF_{ci}O)

Abstract:

Complex projective spaces of odd dimension have a unique contact structure. So, in these spaces we have contact (Legendrian) rational curves. We are interested in enumeration of such curves. We prove that some Gromov-Witten numbers associated with rational contact curves in projective space with arbitrary incidence conditions are enumerative. Also, we use the Bott formula on the Kontsevich space to find the exact value of those numbers.

FCT – Fundação para a Ciência e a Tecnologia no âmbito do projeto UIDP/04561/2020

