

First Joint Meeting Brazil Italy of Mathematics
Special Session, S6: Commutative Algebra and its
Interactions

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Title: Asymptotic Multiplicities

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Abstract: We consider polynomial like properties that the length $\ell_R(R/I_n)$ can have, where $\{I_n\}$ is a graded family or filtration of m_R -primary ideals in a Noetherian local ring R , using Okounkov body methods.