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Khalid Mohammed Bou-Rabee* (khalid.math@gmail.com), **Ian Biringer**, **Martin Kassabov** and **Francesco Matucci**. *Intersection growth on groups*.

Intersection growth concerns the asymptotic behavior of the index of the intersection of all subgroups of a group that have index at most n . We motivate studying this growth and explore some examples with a focus on nilpotent groups and zeta functions. This covers joint work with Ian Biringer, Martin Kassabov, and Francesco Matucci. (Received September 04, 2012)