

1116-16-1671 **Ashish Gupta*** (ashishg@iiserb.ac.in), Dept. of Mathematics, IISER Bhopal, Bhopal, 462066, India. *GK dimension of modules over noncommutative algebras.*

An approach to studying a given algebra is offered by the study of its representations or modules. An important and interesting invariant of finitely generated modules over affine algebras is the so-called Gelfand–Kirillov dimension (GK dimension). We discuss this dimension for simple modules over various classes of non commutative affine algebras. (Received September 21, 2015)