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Algebras that Grow Slowly

I'll talk about the theory and examples of algebras of finite Gelfand - Kirillov dimension including associative algebras, Lie algebras and Lie superalgebras.

Lie algebras graded by root systems

We will discuss a classification scheme which brings together classical Lie algebras over arbitrary associative rings, the Magic Freudenthal—Tits square and the recently discovered exceptional superconformal algebras.