## Seminar/Talk

# Characters, and other special functions, from the point of view of the enumerative geometry

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Characters of Lie algebras and related algebras (both in zero and prime characteristic) fit into a larger class of special functions of, essentially, q-hypergeometric type, that is, solutions of certain regular q-difference equations. Basic phenomena of representation theory, like the appearance of a submodule under a specialization of parameters, have analytic counterparts in this broader setting. My goal in this talk is to explain the enumerative geometry perspective on both the representations and q-difference equations in question, following ideas from joint projects with Roman Bezrukavnikov and Mina Aganagic.

### Thursday, December 20, 2018 01:30pm - 03:30pm
Big Seminar room Ground floor / Office Bldg West (I21.EG.101)

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