



ALGEBRA SEMINAR

Diagonal coinvariant algebras and stability

By

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Abstract: Being explicit quotients of polynomial algebras, the diagonal coinvariant algebras have a fairly elementary definition. Yet even their dimension is known in only a few cases, with some of the computations currently only accessible via algebraic geometry. After an introduction to these objects, I will outline a point of view by Church–Ellenberg–Farb in which their graded pieces can be seen to stabilize in a polynomial fashion, and point out in which ranges one can expect these stabilizations to occur.

Date: Wednesday, October 19, 2022

Time: 11:00 – 12:00 (UTC+3)

Place: ZOOM. This is an online seminar. To request the event link, please send a message to d.yilmaz@bilkent.edu.tr