



Gebze Technical University General Seminars in Mathematics

Algebraic spectral theory

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Abstract

The present talk is devoted to an algebraic treatment of the joint spectral theory within the framework of Noetherian modules over an algebra finite extension of an algebraically closed field. We discuss the spectral mapping theorem and the index of tuples in purely algebraic case. The index function over tuples from the coordinate ring of a variety is naturally extended up to a numerical Tor-polynomial which behaves as the Hilbert polynomial and provides a link between the index and dimension of a variety.

Date: 19 March 2021

Time: 14:00

The seminar uses Microsoft Teams online platform. To join the seminar, please use the provided meeting link.