

Grothendieck's Local Cohomology -- II

1.2

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I will continue my discussion of local cohomology which was introduced by Grothendieck in the early sixties. Local cohomology modules can be used to measure the depth of a module on an ideal, and as a way to test the Cohen-Macaulay properties. Moreover, the cohomology of coherent sheaves on projective varieties can be recovered from graded components of local cohomology modules, providing useful insights into theorems about projective varieties that were originally proved in other ways.

2:30PM March 14, 2017

Seminar Room

Abdus Salam School of Mathematical Sciences