



istanbul matematiksel bilimler merkezi
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INTERSECTION THEORY ON SINGULAR VARIETIES

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Abstract

We introduce some ideas from motivic cohomology into the study of singular varieties. Our approach is modeled on the intersection homology of Goresky-MacPherson; our goal is to intersect cycles on a stratified singular variety provided the cycles do not meet the strata too badly. We define "perverse" analogues of Chow groups and motivic cohomology. Properties include homotopy invariance, a localization theorem, and a splitting theorem. As a consequence we obtain pairings between certain "perverse" cycle groups on a singular variety.

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Time: 17:15

Place: IMBM Seminar Room, Boğaziçi University South Campus