THE UNIVERSITY **OF HONG KONG**

Institute of Mathematical Research
Department of Mathematics

Geometry Seminar

Cohomology representations of external and symmetric products of varieties

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Abstract

We explain refined generating series formulae for characters of (virtual) cohomology representations of external products of suitable coefficients on complex quasi-projective varieties. These formulae generalize our previous results for symmetric and alternating powers of such coefficients, and apply also to other Schur functors. (Joint work with J. Schuermann.)

Date: April 12, 2016 (Tuesday)

Time: 4:00 – 5:00pm

Place: Room 210, Run Run Shaw Bldg., HKU

All are welcome