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## Twisted Alexander polynomials and L<sup>2</sup>-Euler characteristics

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## <u>Abstract</u>

It is known that twisted Alexander polynomials detect the Thurston norm of a 3-manifold. Also, Friedl and Lueck recently introduced a twisted version of the L<sup>2</sup>-Euler characteristic for a 1st cohomology class of a group, and identified it with the Thurston norm in the case of a 3manifold group. We will discuss the same relation between twisted Alexander polynomials and the twisted L<sup>2</sup>-Euler characteristic for a more general class of groups.

Date: 26 November 2019 (Tuesday)

Time: 1:00pm – 2:00pm

Venue: Room 222, Lady Shaw Building, The Chinese University of Hong Kong, Shatin

