

早大理工トポロジーセミナーのお知らせ

Some applications of character varieties

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場所： 早稲田大学 西早稲田キャンパス
60号館 3階 303室 (いつもと違う建物です)
Waseda University, Nishiwaseda Campus,
60th building, 3rd floor, Room 303

Abstract

In this talk, we will discuss some applications of character varieties in topology and knot theory. These include:

- 1) the AJ conjecture which relates character varieties (more precisely, the A-polynomial) and the Jones polynomial of a knot;
- 2) the hyperbolic torsion conjecture which relates the twisted Alexander polynomial and the genus and fiberedness of a link;
- 3) the L-space conjecture which relates L-spaces and the left-orderability of their fundamental groups; and
- 4) epimorphisms of knot groups.

西早稲田キャンパスへのアクセス, 60号館の位置は
<https://www.waseda.jp/fsci/access/>
を参照してください。皆様のお越しをお待ちしております。

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