



Seminario de Geometría y Topología

On the colored HOMFLY polynomial of knots and links

Miguel Tierz
(UCM)

Abstract. We first give an accessible introduction to Hecke algebras and the Jones-Ocneanu trace, and use it to define and describe the Jones and HOMFLY polynomials of knots and links. We will also introduce some specific knots and links such as torus knots, Whitehead and Borromean links and the figure-eight knot and show that their corresponding (colored) HOMFLY polynomial admits a description in terms of terminating basic hypergeometric series.

Lugar: Universidad Complutense de Madrid
Facultad de Ciencias Matemáticas
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