
Rectangular diagrams of taut foliations in knot complements

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Résumé

Taut foliations are an important instrument in low-dimensional topology. In particular, due to the works of W.Thurston and D.Gabai, they can be used to certify knot genus. Jointly with Ivan Dynnikov we have worked out a universal way to represent taut foliations in knot complements by using the formalism of rectangular diagrams, and shown that any finite depth taut foliation can be represented in this way. This will be explained in the talk.

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