



SwissMAP

The Mathematics of Physics
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The ADE link conjecture

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It is well known that the ADE graphs arise in many classification problems in mathematics. In 2019 Michel Boileau, Steve Boyer and I conjectured a modest addition to this list: the fibered links that induce the tight contact structure on S^3 and have a cyclic branched cover whose fundamental group is left-orderable. We will describe the conjecture, its background, and some recent results that establish it in many cases.

This is joint work with Steve Boyer and Ying Hu.

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