

Invariants of alternating knots and Catalan numbers

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In this talk, we study the alternating knots that do not have bigons in the complementary regions of their diagrams, and we give formulae to estimate their invariants. In addition, we state a relationship between the Catalan numbers and the closure of tangles, which helps to understand the structure of Catalan numbers. This is a joint work with Mario Eudave.

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