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On the slice ribbon conjecture for Montesinos knots

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The slice-ribbon conjecture states that a knot in S^3 is the boundary of an embedded disc in D^4 if and only if it bounds a disc in S^3 which has only ribbon singularities. In this seminar we will prove the conjecture for a family of Montesinos knots. The proof is based on Donaldson's diagonalization theorem for definite four manifolds.

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