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Title: A treatise of the Jones polynomial Huidrom Ronald Mangang.

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Abstract: We look at the Jones polynomial, its construction, applications and generaliza- tions. In particular, we study the braid groups, its representations and arrive at a

construction of the Jones polynomial. We discuss proofs of the Tait conjectures. Then we construct Khovanov homology whose graded Euler characteristic is

the Jones polynomial

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