

# **Knots with cyclotomic Jones polynomials**

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We present families of knots having Jones polynomials with alternating 1 and -1 as coefficients with the span going to infinity. Such polynomials have Mahler measure equal to 1 as they are cyclotomic polynomials or products of cyclotomic polynomials.

In particular, we show that infinitely many roots of unity are zeros of Jones polynomials. Some properties of these knots are presented.