

ZEROS OF MEIXNER POLYNOMIALS FOR NONSTANDARD PARAMETER VALUES

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In this talk I will prove a conjecture in [1] on a lower bound for the first positive zero of a Meixner polynomial when $-\beta, c \in (0, 1)$ and use this to identify upper and lower bounds for the first few zeros of Meixner polynomials when $-2 < \beta < -1$ and $0 < c < 1$. I will also discuss other properties of the zeros of Meixner polynomials for these parameter ranges.

[1] K. Driver and A. Jooste, Quasi-orthogonal Meixner polynomials, *Quaest. Math.* 40 (4) (2017), 477-490

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