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Explicit determinantal formula for a class of banded matrices. (English) Zbl 1478.15010
Open Math. 18, 1227-1229 (2020).

Summary: In this short note, we provide a brief proof for a recent determinantal formula involving a particular family of banded matrices.

MSC:
15A15 Determinants, permanents, traces, other special matrix functions
15B05 Toeplitz, Cauchy, and related matrices
33C45 Orthogonal polynomials and functions of hypergeometric type (Jacobi, Laguerre, Hermite, Askey scheme, etc.)

Keywords: determinant; pentadiagonal matrices; Chebyshev polynomials of second kind

Full Text: DOI

References:


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