Turkish Journal of Mathematics

🔍 Keywords
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## ON THE \ell_p NORMS OF ALMOST CAUCHY-TOEPLITZ MATRICES

D. BOZKURT

Abstract: In this study, we have given the definition of almost Cauchy-Toeplitz matrix. i.e. its elements are $t_{ij}= a(i=j)$ and $t_{ij}=1/(i-j)$, $(i\neq j)$ such that a is a real number. We have found a lower and upper bounds for the \ell_p norm of this matrix. Furthermore, we have done the proof of the conjecture that were given by myself for the spectral norm of this matrix.

Key Words: Cauchy, Toeplitz, norm, Cauchy-Toeplitz matrix, matrix norm.

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Other articles published in the same issue: Turk. J. Math.,vol.20,iss.4.