INVERSION OF TOEPLITZ MATRICES WITH ONLY TWO STANDARD EQUATIONS.

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CUCS-067-90

ABSTRACT

It is shown that the invertibility of a Toeplitz matrix can be determined through the solvability of two standard equations. The inverse matrix is represented by two of its columns, (which are the solutions of the two standard equations) and the entries of the original Toeplitz matrix.

† Partially supported by NSERC grant #FS1525C