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ON RECIPROCAL POLYNOMIALS WITH ZEROS OF MODULUS ONE

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Abstract. The purpose of this paper is to characterize reciprocal polynomials all of whose zeros are on the unit circle. Using this characterization we give bounds for the coefficients of such polynomials and show how other necessary conditions (inequalities for the coefficients) can be obtained from the characterization theorem.

Mathematics subject classification (2000): 30C15, 12D10, 42C05.
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