

EXPLICIT FORMULAS FOR OPUC AND PARA-ORTHOGONAL POLYNOMIALS FOR MEASURES
WHICH ARE MODIFICATIONS OF LEBESQUE MEASURE

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We consider nontrivial probability measures, obtained as simple modifications of the Lebesgue measure, which include mass points at $z = 1$ and $z = i$. The orthogonal polynomials on the unit circle (OPUC), the para-orthogonal polynomials and Toeplitz matrices associated with these measures are presented, through explicit formulas for the Verblunsky coefficients.

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