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NUMERICAL RADII OF WEIGHTED SHIFT OPERATORS USING DETERMINANTAL POLYNOMIALS

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Abstract. In this paper, we introduce the expression of the determinantal polynomials for the weighted shift operators with weights

$$(w_1,\dots,w_{2n-1},b,a,b,a,b,\dots) \quad \text{and} \quad (w_1,\dots,w_{2n},a,b,a,b,\dots)$$

and using these we can find the numerical radii of the above operators. The purpose of this paper is to generalize the results of [14] and [4].

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