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A note on uniqueness of transcendental entire functions concerning differential-difference polynomials of finite order

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Abstract

In this paper, using the notions of weakly weighted sharing and relaxed weighted sharing we study the uniqueness problems of differentialdifference polynomials of transcendental entire functions that share a small function. The results of the paper extends the theorems given by Pulak Sahoo and Gurudas Biswas.

Keywords:
Entire function, Differential-Difference polynomials, Uniqueness, Small function.

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