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Value distribution of linear difference polynomials. (Chinese. English summary) Zbl 07366876

Summary: Using the counterpart of the lemma on the logarithmic derivative, the authors studied value distribution of linear difference polynomials of meromorphic functions. They establish the connection between the characteristics meromorphic function with maximal deficiency sum and that of linear difference polynomials. The obtained results generalize some related results.

MSC:
30D35 Value distribution of meromorphic functions of one complex variable, Nevanlinna theory
30D30 Meromorphic functions of one complex variable (general theory)

Keywords:
deficiency; difference polynomial; characteristic function