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Preservation of the completely regular growth by a differential operator of infinite order.

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MSC:

47E05 General theory of ordinary differential operators (should also be assigned at least one other classification number in Section 47-XX)

Keywords:

differential operator of finite order; preservation of the completely regular growth

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References:

- [1] B. Ya. Levin (B. Ja. Levin), Distribution of Zeros of Entire Functions, Am. Math. Soc., Providence (1964).
- [2] I. V. Ostrovskii, ?Operators preserving the complete regular growth,? J. Sov. Math.,22, No. 1 (1983).
- [3] H. Muggli, ?Differentialgleichungen unendlich hoher Ordnung mit konstanten Koeffizienten,? Comment. Math. Helv.,11, 151?179 (1938). · [Zbl 64.0426.02](#) · [doi:10.1007/BF01199696](#)
- [4] Yu. F. Korobeinik, ?On certain characteristic properties of differential operators of infinite order,? Izv. Akad. Nauk SSSR, Ser. Mat.,30, No. 5, 933?1016 (1966).
- [5] A. A. Gol'dberg and I. V. Ostrovskii, ?The derivatives and primitives of entire functions of completely regular growth,? Teor. Funktsii Funktsional. Anal. Prilozhen. (Kharkov), No. 18, 70?81 (1973).
- [6] O. V. Epifanov, ?Preservation by the operator of convolution of the not entirely regular growth of functions,? Sib. Mat. Zh.,20, No. 2, 420?422 (1979). · [Zbl 0433.44009](#) · [doi:10.1007/BF00970041](#)
- [7] V. S. Azarin, ?On the rays of completely regular growth of an entire function,? Mat. Sb.,79 (121), 463?476 (1969). · [Zbl 0197.35502](#)

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