

[Lyubishkin, V. A.](#)

**Regularized sums of roots of generalized quasipolynomials.** (Russian) Zbl 0647.30020  
[Mat. Sb., N. Ser. 135\(177\), No. 4, 463-471 \(1988\).](#)

The author derives asymptotic expansions of zeros of an entire function of the kind

$$f(z) = \sum_{k=1}^N Q_{kh}(z) \exp P_k(z),$$

where  $P_k$  are polynomials and  $Q_{kh}$  have some asymptotic expansions. He generalizes the result of *V. B. Lidskij* and *V. A. Sadovnichij* [*Funkts. Anal. Prilozh.* 1, No.2, 52-59 (1967; [Zbl 0176.370](#))], permitting for  $f(z)$  to have multiple zeros.

Reviewer: [A.Khejfits](#)

**MSC:**

- [30D15](#) Special classes of entire functions of one complex variable and growth estimates
- [30D35](#) Value distribution of meromorphic functions of one complex variable, Nevanlinna theory

Cited in 1 Review

**Keywords:**

[quasipolynomial](#); [asymptotic expansions of zeros](#)

**Full Text:** [EuDML](#)