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Mean values for a class of arithmetic functions in short intervals. (English) Zbl 07197944
[Math. Nachr.](#) 293, No. 1, 178-202 (2020)

Summary: In this paper, we shall establish a rather general asymptotic formula in short intervals for a class of arithmetic functions and announce two applications about the distribution of divisors of square-full numbers and integers representable as sums of two squares.

MSC:

[11N37](#) Asymptotic results on arithmetic functions

[11N60](#) Distribution functions associated with additive and positive multiplicative functions

Cited in **2** Documents

Keywords:

[asymptotic results on arithmetic functions](#); [beta law](#); [Selberg-Delange method](#)

Full Text: [DOI](#) [arXiv](#)