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Approximation of classes of Poisson integrals by Fejer sums. (English) Zbl 1424.42007

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Summary: For upper bounds of the deviations of Fejer sums taken over classes of periodic functions that admit analytic extensions to a fixed strip of the complex plane, we obtain asymptotic equalities. In certain cases, these equalities give a solution of the corresponding Kolmogorov-Nikol'skii problem.

MSC:

42A10 Trigonometric approximation

Cited in **1** Document

Keywords:

asymptotic equality; Poisson integrals; Fejer sums

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