

**Bhatia, S. S.; Kaur, Kulwinder; Ram, Babu**

**$L^1$ -convergence of modified complex trigonometric sums.** (English) [Zbl 1016.42002](#)

*Lobachevskii J. Math.* 12, 3-10 (2003).

Summary: In this paper we study  $L^1$ -convergence of modified complex trigonometric sums introduced by *B. Ram* and *S. Kumari* [*Indian J. Pure Appl. Math.* 20, No. 9, 908-914 (1989; [Zbl 0696.42005](#))] and obtain a necessary and sufficient condition for  $L^1$ -convergence of Fourier series under a new class  $K^*$  of coefficients.

**MSC:**

[42A20](#) Convergence and absolute convergence of Fourier and trigonometric series

[42A32](#) Trigonometric series of special types (positive coefficients, monotonic coefficients, etc.)

**Keywords:**

$L^1$ -convergence of modified complex trigonometric sums;  $L^1$ -convergence of Fourier series; Dirichlet kernel

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