

Abstract

The abstract should be in the form of a brief and concise statement of the main results or points of view of the paper, without demonstrations and with a minimum of formulae. It should not exceed 100 words and should be compressed, if possible, into a single paragraph. It should be written in the third person. The abstract should be type-written and in a form suitable for immediate publication in the MONTHLY.

Let A be a regular matrix method of summation. The series $\sum u_k$ is summed by A if the sequence of partial sums of $\sum u_k$ is summed by A . Theorem If A is a regular matrix method of summation and $\sum u_k$ is a divergent series with bounded partial sums which is summed by A then there exists an unbounded sequence $\{\lambda_k\}$ such that $\sum \lambda_k u_k$ is summed by A . An example is also given to show that the result is not necessarily true for all series summed by A .

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Title of paper: _____
and other series.

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Title of paper: Unbounded multipliers
and divergent series.

Time 15 minutes.

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