

DOUBLE SUMMABILITY FACTOR THEOREMS AND APPLICATIONS

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Abstract. We obtain sufficient conditions for the series $\sum \sum a_{mn}$, which is absolutely summable of order k by a double triangular matrix method A , to be such that $\sum \sum a_{mn} \lambda_{mn}$ is absolutely summable of order k by a double triangular matrix B . As corollaries we obtain a number of inclusion theorems.

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