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UNE GÉNÉRALISATION DU CRITÈRE DE D'ALEMBERT
POUR LES SÉRIES POSITIVES

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Abstract: This paper give a generalization of the well-known ratio test (or D'Alembert's test), for series of positive terms, by introducing a "comparison series" with nonnegative terms. This result solves some undecidable cases in the use of the ratio test and furnishes a necessary and sufficient criterion for the series with positive decreasing terms.