

Quiz

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Theorem 1. *Let $a_n \in \mathbb{C}$, Assume $\lim_{n \rightarrow \infty} a_n = 0$ and $|a_{n+1} + a_n| \leq \frac{1}{2^n}$ for all n . Prove that $\sum_n a_n$ is convergent.*

Proof.

□