§§ 29

Summation by Parts

Thm Let $A_0 = 0$,

$A_n = a_1 + \cdots + a_n$. Spse

$\{A_n : n \geq 1\}$ is bounded.

Let $b_1 \geq b_2 \geq \cdots$ with

$b_n \longrightarrow 0$.

Then $\sum_{j=1}^{\infty} a_j b_j$ conv