ERRATA - CORRIGE

K. C. Rao, *Convolution of summability methods*, Tomo 27 (1978), 410-416.

Theorem 1 (v) should read

Theorem 1 (v). $A, B \in (\Gamma, \Gamma^*) \Rightarrow A * B \in (\Gamma, \Gamma^*)$.

Proof of Theorem 1 (v). Since $A = (a_{nk})$ is in (Γ, Γ^*) , we can find $H > 0$, such that

$$|a_{nk}|^{1/(n+k)} \leq H \text{ independently of } n, k.$$

Since $B = (b_{nk})$ is in (Γ, Γ^*) , we can find $L > 0$, such that

$$|b_{nk}|^{1/(n+k)} \leq L \text{ independently of } n, k.$$

Let $M = \max(1, H, L)$.

We have $A * B = D$, where

$$d_{nk} = a_{n1} b_{nk} + a_{n2} b_{n, k-1} + \dots + a_{nk} b_{n1}, \quad (n, k = 1, 2, \dots).$$

Now

$$|d_{nk}| \leq k M^{(2n+k+1)}.$$

Therefore

$$|d_{nk}|^{1/(n+k)} \leq k^{1/(n+k)} M^{(2n+k+1)/(n+k)} \leq k^{1/k} M^{(2n+2k)/(n+k)} \leq 2 M^2$$

independently of n, k . Thus,

$$A * B = D \text{ is in } (\Gamma, \Gamma^*).$$

This completes the proof.