

ERRATA TO MÁTÉ'S PAPER
 "REMARKS ON THE PTAK-STEIN THEOREM"
 in Vol. 23(1).

In *Corollary 1* " $P_k : Y_k \Rightarrow Y_{k-1}$ " should read " $P_k : Y_0 \Rightarrow Y_k$ ". The correct proof of *Theorem 1* is the following:

"Suppose that the theorem is false. Then there exists $x_1 \in S_1$ and $T_2 \in \{T_b; b \in \Lambda\}$ with $\|T_2 x_1\| \geq M_2 + 1$. By induction, for $n = 2, 3, \dots$ and $\{\lambda_k : \lambda_k > 0, \sum_{k=1}^{\infty} \lambda_k = 1\}$ we can find $S_n \subseteq \cap S_k; k \leq n-1$, $x_n \in S_n$ and $T_{n+1} \in \{T_b; b \in \Lambda\}$ such that

$$(**) \quad \|T_{n+1} \lambda_n x_n\| \geq M_{n+1} + n + \|T_{n+1} \sum_{k=1}^{n-1} \lambda_k x_k\|.$$

Let $x_0 = \sum_{k=1}^{\infty} \lambda_k x_k$; then $x_0 \in S_1$. Observe that for each integer $N > 2$

$$\|T_{N+1} x_0\| \geq -\|T_{N+1} \sum_{k=1}^{N-1} \lambda_k x_k\| + \|T_{N+1} \lambda_N x_N\| - \|T_{N+1} \sum_{k=N+1}^{\infty} \lambda_k x_k\|$$

and hence it follows from (**)

$$M(x_0) \geq \|T_{N+1} x_0\| \geq M_{N+1} + N - \|T_{N+1} \sum_{N+1}^{\infty} \lambda_k x_k\|.$$

Since by *Lemma 1*

$$\left(\sum_{k=N+1}^{\infty} \lambda_k \right)^{-1} \|T_{N+1} \sum_{N+1}^{\infty} \lambda_k x_k\| \leq M_{N+1}$$

it follows

$$M(x_0) > N$$

for large N . This contradiction completes the proof."

I am indebted to Charles Swartz (New Mexico State University) calling my attention to a gap in the proof of *Theorem 1*.