

ERRATUM TO "ON A THEOREM OF E. LUKACS"

PAUL EMBRECHTS

J. De. Cannière (University of Leuven) kindly reported to the author that the proof of the theorem in [1, p. 293] is incomplete whenever

$$H = \{\gamma \in \Gamma: \forall x \in G K(x, \gamma) = 0\} \neq \emptyset.$$

Therefore, the final conclusion about K should read:

$$\begin{aligned} K(x, \gamma) &= 0, & \gamma \in H, \\ &= g(\gamma)(x), & \gamma \in \Gamma \setminus H, \end{aligned}$$

where $g: \Gamma \setminus H \rightarrow \Gamma$ has a dense range.

H being open and closed, the difficulty does not occur when Γ is connected, as in the $G = \mathbb{R}$ case.

REFERENCES

1. P. Embrechts, *On a theorem of E. Lukacs*, Proc. Amer. Math. Soc. **68** (1978), 292-294.

DEPARTEMENT WISKUNDE, KATHOLIEKE UNIVERSITEIT LEUVEN, CELESTIJNENLAAN 200B, B-3030 LEUVEN, BELGIUM