ERRATUM TO "LIAPOUNOFF’S THEOREM FOR
NONATOMIC, BOUNDED, FINITELY-ADDITIVE,
FINITE-DIMENSIONAL, VECTOR-VALUED MEASURES"

BY

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It is erroneously stated, in the note added in proof on p. 514, that the support of a Radon measure on a quasi-F-space is Stonian. Frederick K. Dashiell gives a counterexample, Example 3.8 on p. 412 of his paper Nonweakly compact operators from order-Cauchy complete C(S) lattices, with application to Baire classes, Trans. Amer. Math. Soc. 266 (1981), 397–413. This counterexample measure is in fact nonatomic.

It is not known whether Liapounoff’s convexity theorem is valid for quasi-F-algebras. It is not known whether it is necessary for the validity of Liapounoff’s convexity theorem on a Boolean algebra that every nonatomic Radon measure on the Stone space \( X \) must have Stonian support. A characterization of those compact Hausdorff spaces \( X \) (or just the totally disconnected ones) so that every nonatomic measure has Stonian support is not known.


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