

# CORRECTION TO "MEASURES ON PRODUCT SPACES"

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I am indebted to W. W. Bledsoe for the reminder that something additional is required in Lemma 2.0 on p. 383 of [1]. For the purpose of [1], the simplest way to rectify matters is to require that  $\nu$  be continuous. The definition of continuity of  $\nu$  is introduced between Lemma's 2.0 and 2.1 (top p. 386). Lemma 2.0 may be corrected by adding to its hypothesis the condition that  $\nu$  be continuous and changing its proof in Part II as follows:

- (i) In (2), p. 384, put the definition of  $\eta$  first.
- (ii) Noting then that  $\nu(t, \eta) > r$ , use the continuity of  $\nu$  to obtain an open set on which  $\nu(\cdot, \eta) > r$  and define  $\xi$  to be the intersection of this open set and  $\bigcap_{\gamma \in G_1} \alpha^\gamma$ . Then  $r < \nu(x, \eta)$  for each  $x \in \xi$ . Let  $\lambda = \xi \times \eta$  as before and note (for later reference) that  $\lambda \subset S$ .
- (iii) Replace Step 2 with the statement that  $\nu(x, \eta) > r$  whenever  $x \in \xi$ .
- (iv) In the first sentence of the proof of Step 4, replace the variable "t" with "x" to disassociate it from the special point  $t$  chosen at the beginning of the proof of Part II. The displayed inequality then becomes

$$r < \nu(x, \eta) \leq \nu(x, S_x).$$

The left side of this follows from (iii) above and the right side from the observation in (ii) that  $\lambda \subset S$  and that consequently  $\eta = \lambda_x \subset S_x$ .

The change (iii) above is the crucial point. It is not enough to know that  $\nu(t, \eta) > r$  for just the one point  $t$  in  $\xi$ . In Step 4, this becomes clear. The change suggested in (iv) above removes the misleading notation and clarifies the argument. The remainder of the proof is unaffected by these changes.

I believe there is no effect on the other parts of the paper.

## REFERENCE

1. E. O. Elliott, *Measures on product spaces*, Trans. Amer. Math. Soc. **128** (1967), 379–388.

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