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***A remark on the tightness of products***

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**Abstract:** We observe the existence of a  $\sigma$ -compact, separable topological group  $G$  and a countable topological group  $H$  such that the tightness of  $G$  is countable, but the tightness of  $G \times H$  is equal to  $\mathfrak{c}$ .

**Keywords:** tightness, products, function spaces

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