

A characterization of free locally convex spaces over metrizable spaces which have countable tightness

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ABSTRACT. We prove that the free locally convex space $L(X)$ over a metrizable space X has countable tightness if and only if X is separable.

Key words and phrases. Free locally convex space, free abelian topological group, countable Pytkeev network, the strong Pytkeev property, countable tightness.