

Unbounded towers and products.

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Let X be a subset of the real line and $C(X)$ be a space of real-valued functions on X with pointwise convergence topology. The space $C(X)$ has the Fréchet-Urysohn property (a generalization of first-countability) if and only if X has the property γ , a strong combinatorial covering property. Tsaban proved that sets with a certain combinatorial structure have the property γ . We generalize the class of sets considered by Tsaban and investigate finite products of these sets in the context of covering properties. This is a joint work with Piotr Szewczak.