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A normal measure on a compact connected space

Abstract. A regular probability measure μ on a compact space is said to be *normal* if $\mu(F) = 0$ for every closed set $F \subseteq K$ with empty interior. There are natural examples of normal measures defined on extremely disconnected compacta. i.e. on the Stone space of the measure algebra.

Fishel and Papert showed in 1964 that if a compact space K is locally connected then K admits no normal measure. Answering a question of Dales, Dashiell, Lau and Strauss we show that there is a compact connected space which supports a normal measure.