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rotund space

Canonical name RotundSpace

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Entry type Definition Classification msc 46H05 A normed space is said to be *rotund* if every point of C(0,1) is an extreme point. Here C(0,1) is the set $\{b: \|b\|=1\}$. Equivalently, a space is rotund if and only if $a \neq b$ and $\|a\| = \|b\| \leq 1$ implies $\|a+b\| < 2$.

A uniformly convex space is rotund.