

# What is the dual of $l^\infty$ ?

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  - *Date:* 30 Aug 2005 22:26:44 -0700
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What is the dual of space  $l^\infty$  defined by

$$l^\infty = \{ (x_k)_{k=0}^\infty \subset \mathbb{C} \mid \sup_k |x_k| < \infty \}$$

and

$$\|(x_k)\| = \sup_k |x_k| ?$$

– Tommi Höynälänmaa –

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