

Re: When the Gilbert space with measure is separable

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In article <1175080237.710100.17680@xx>, Kostyantyn Yusenko <kay.math@xxxxxxxx> wrote:

We are given a Gilbert space H and measure m . The question is for which measures m the spaces $L_2(H,m)$ are separable?

Is this true that when m is propabilistic measure then space $L_2(H,m)$ is separable?

Thank you.

If one has a sigma-finite measure on the Borel sets of a separable metric space, $L_p(H, m)$ is separable for p finite.

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This address is for information only. I do not claim that these views are those of the Statistics Department or of Purdue University.
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