

13th Exercise Sheet, Set Theory of the Real Line, WS 2014/2015

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Exercise 24

Let $\mathbb{P} \in \{\mathbb{S}, \mathbb{V}, \mathbb{M}, \mathbb{L}, \mathbb{B}\}$. Show that $I_{\mathbb{P}} = J_{\mathbb{P}}$.

Exercise 25

Show that:

X is \mathbb{B} -measurable $\Leftrightarrow X$ is Lebesgue measurable

X is \mathbb{C} -measurable $\Leftrightarrow X$ has the Baire property.