

Exercise Sheet 12

Due at the beginning of the exercise session at 16:20. A total of at least 50% of all available points is required for the “Studienleistung” (I expect there to be 12 or 13 sheets).

Exercise 1 (2 points). Suppose X and Y are Polish spaces and $A \subseteq X \times Y$ has the Baire property. Prove that if $\{x \in X \mid A_x \text{ is meager}\}$ is comeager, then A is meager.