Ideal analytic sets

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Showing analytic completeness of given analytic set A is one of few options to prove, that A is not Borel. In the first part of the talk we will discuss results concerning some examples of ideals on ω (treated as a subset of Cantor space)[1]. Secondly, we will consider the family of Silver trees and compare the example with theorem of Kechris-Louveau-Woodin[2, Theorem 33.3].

Presented results are obtained together with my supervisor, Szymon Żeberski

References

[1] Rafał Filipów, On Hindman spaces and the Bolzano-Weierstrass property, Topology Appl. 160 (2013), no. 15, 2003-2011

[2] Alexander S. Kechris, Classical Descriptive Set Theory, Springer-Verlag New York, Inc. 1995