

# NONMEASURABLE SETS WITH RESPECT TO IDEALS DEFINED BY TREES

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We will consider measurability with respect to various tree ideals: Marczewski ideal  $s_0$ , Miller ideal  $m_0$  and Laver ideal  $l_0$ . Such notions were studied e.g. in [1].

In particular, we will show the following theorem.

**Theorem 1.** *There exists a maximal family of eventually different reals  $\mathcal{A} \subseteq \omega^\omega$  such that  $\mathcal{A}$  is not  $s, l, m$ -measurable and contains a dominating family of size  $\mathfrak{d}$ .*

This result generalizes result from [2].

## REFERENCES

- [1] Brendle J., Strolling through paradise, *Fundamenta Mathematicae*, 148 (1), (1995), 1–25,
- [2] Rałowski R., Families of sets with nonmeasurable unions with respect to ideals defined by trees, *Archive for Mathematical Logic*, 54, no. 5-6, (2015), 649–658.

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