On Functions Whose Graph is a Hamel Basis, II

To the memory of my Mother.

Krzysztof Plotka

Abstract. We say that a function \( h : \mathbb{R} \to \mathbb{R} \) is a Hamel function (\( h \in HF \)) if \( h \), considered as a subset of \( \mathbb{R}^2 \), is a Hamel basis for \( \mathbb{R}^2 \). We show that \( A(HF) \geq \omega \), i.e., for every finite \( F \subseteq \mathbb{R}^\mathbb{R} \) there exists \( f \in \mathbb{R}^\mathbb{R} \) such that \( f + F \subseteq HF \). From the previous work of the author it then follows that \( A(HF) = \omega \).

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