DENIS HIRSCHFELDT, *Computability theory, reverse mathematics, and Hindman’s Theorem.*
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I will discuss results and open problems concerning the computability-theoretic and reverse-mathematical strength of versions of Hindman’s Theorem, which states that for any coloring of the natural numbers with finitely many colors, there is an infinite set $S$ such that all nonempty sums of distinct elements of $S$ have the same color.