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Asher M. Kach* (kach@math.wisc.edu), 480 Lincoln Drive, Madison, WI 53706. *Computable Shuffle Sums of Ordinals.*

In this talk we give a classical characterization of the subsets $S \subseteq \omega+1$ such that the shuffle sum of the set S is computable (blurring the distinction between an ordinal α and the linear order of order type α). We show that the shuffle sum of the set S being computable, the set S being a limitwise monotonic set relative to $\mathbf{0}'$ (an existing notion), and the set S being a limit infimum set (a new notion) are all equivalent. (Received September 05, 2006)