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*Martin-Löf random closed sets.*

In this talk we show how the definitions of Martin-Löf randomness can be extended to spaces of closed sets using the probability theory of random closed sets. The result is a very flexible framework for studying the algorithmically random closed subsets of sufficiently well-behaved topological spaces. We will focus on the closed subsets of  $2^\omega$  and  $\mathbb{R}^n$ . (Received December 12, 2011)