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Achilles Athanasios Beros* (aberos@math.wisc.edu). *Computability Theory and Learning Theory*.

We consider applications of computability theoretic techniques to algorithmic learning theory. In particular, we use such techniques to answer a long-standing open question on the relative strength of two models of learning and to provide insight into the nature and fundamental complexity of four standard models of learning: finite learning, learning in the limit, behaviourally-correct learning and anomalous learning. (Received March 03, 2013)