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**Marco Antonio López\*** (lopezma@wfu.edu). *Shrinking Targets of non-autonomous systems: dimensions and measures.*

We will consider non-autonomous, conformal iterated function systems in Euclidean space and use them to construct a class of dynamically-defined sets known as shrinking targets. We will focus on two main aspects of such sets. On one hand we will see how thermodynamic formalism comes into play when establishing a formula for the Hausdorff dimension of such sets (a Bowen-type formula). On the other hand we will consider the question of measure for such sets and present a dichotomy law (Borel-Cantelli, or Khinchin, result). (Received September 10, 2019)