

1096-03-1727 **Ferit Toska*** (toskaf@ufl.edu). *Compressibility of Countable Subsets of Cantor Space*. Preliminary report.

We introduce a notion of compressibility and n -decidability for countable subsets of Cantor space. We investigate the correspondence between Cantor-Bendixson rank and n -decidability. We show that 1-decidable rank two sets describe each other where the rate of the description is determined by their limit points. (Received September 16, 2013)