1107-52-475 **Dan Ismailescu*** (dan.p.ismailescu@hofstra.edu) and **Geoffrey Exoo**. *Improved lower bounds for the chromatic number of several small dimensional Euclidean spaces.* Preliminary report.

The chromatic number of the n-dimensional Euclidean space, denoted $\chi(\mathbb{R}^n)$, is the minimum number of colors that can be assigned to the points of $\mathbb{R}^n$ so that no two points at distance one receive the same color. In this note, we present better lower bounds for $\chi(\mathbb{R}^n)$ for several small values of n. (Received January 20, 2015)