

1138-37-305

Judy A Kennedy* (kennedy9905@gmail.com), Dept. Mathematics, Lamar University,
Beaumont, TX 77706, and **Goran Erceg**. *A surprising topological entropy example.*

We define topological entropy for closed subsets of the square $[0,1] \times [0,1]$, and then give an example of a closed subset of the square that has 0 entropy, but if one point is added to the set, the new set has infinite entropy. This is joint work with Goran Erceg of the University of Split. (Received February 12, 2018)