Exercises

E8.29 [OHJ] Given $E \subseteq X$, we distinguish the points $x \in X$ in three distinct sets that are a partition of X.

- For every neighborhood U of x, $U \setminus \{x\}$ intersects E. These are the *accumulation points* of E.

- $x \in E$ and there is a neighborhood U of x such that $U \cap E = \{x\}$. These are the *isolated points* in E.

- *Now describe the third set of points*

Solution 1. [OHK]