Exercises

E9.79 [OT5] Prerequisites:[OMF]. Note:*exercise 4 in the written exam of 13/1/2011.*

If $A \subseteq \mathbb{R}^n$ is composed only of isolated points, then A has countable cardinality.

Conversely, therefore, if $A \subseteq \mathbb{R}^n$ is uncountable then the derivative $D(A)$ is not empty.

Solution 1. *[OT6]*