

Exercises

E8.29 [OHG] *Note: written exam, 12/1/2013.* Let A be an open subset of X . Prove that, for any subset B of X , the following inclusion holds: $A \cap \overline{B} \subseteq \overline{A \cap B}$. Show, by an example, that the conclusion does not hold if you remove the assumption that A is open.

Solution 1. [OHH]