

Exercises

E10.b.18 [OPJ] Topics: interior. Prerequisites: [OP3], [OPD].

Given X metric space and $A \subseteq X$, show that

$$A^\circ = (A^\circ)^\circ,$$

using the above definitions.

For what has been said in [OPB], this is equivalent to saying that A° is an open set.

(For the case of X topological space, see the [OGF])

Solution 1. [OPK]