Exercises

E15.a.13 [178] Prerequisites: [OQ8], [174]. Given $A \subset \mathbb{R}^n$ convex with non-empty interior, show that $\overline{A} = \overline{(A^\circ)}$ (the closure of the interior of A). Then find a simple example of A for which $\overline{A} \neq \overline{(A^\circ)}$.

Solution 1. *[179]*