

**Definition 0.0.1.** [\[264\]](#) Let then  $A \subseteq \mathbb{R}^n$  be a non-empty set, the convex hull (or convex envelop)  $\text{co}(A)$  of  $A$  is the intersection of all convex sets containing  $A$ . Because of [\[059\]](#),  $\text{co}(A)$  is the smallest convex sets containing  $A$ .