

## REAL CONVEX CONES

## **Definition**

A convex cone is a cone which is a convex set. A cone  $A\subset {\bf R}^d$  is pointed if  $x,-x\in A\longrightarrow x=0.^1$ 

**Proposition 1.** The intersection of a family of convex cones is convex.

<sup>&</sup>lt;sup>1</sup>This definition is provisional, and may be changed in future editions.

