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Liping Yuan* (lpyuan88@yahoo.com), College of Mathematics & Information Science, Hebei Normal University, Shijiazhuang, Hebei 050024, Peoples Rep of China. *On \mathcal{F} -Convexity.*

Let \mathcal{F} be a family of sets in \mathbb{R}^d . A set $M \subset \mathbb{R}^d$ is called \mathcal{F} -convex if for any pair of distinct points $x, y \in M$ there is a set $F \in \mathcal{F}$ such that $x, y \in F$ and $F \subset M$. In this talk we'll present some properties of some \mathcal{F} -convex sets. (Received January 12, 2016)