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Mehmet Kilic* (kompaktuzay@gmail.com), 850 Columbia Avenue, Claremont, CA 91711. *Tight Span of Subsets of The Plane With The Maximum Metric.*

We prove that a nonempty closed and geodesically convex subset of the l_∞ plane \mathbb{R}_∞^2 is hyperconvex and we characterize the tight spans of arbitrary subsets of \mathbb{R}_∞^2 via this property: Given any nonempty $X \subseteq \mathbb{R}_\infty^2$, a closed, geodesically convex and minimal subset $Y \subseteq \mathbb{R}_\infty^2$ containing X is isometric to the tight span $T(X)$ of X . (Received September 25, 2017)