THE STRUCTURE OF CONVEXITY

INDUCED STRUCTURE INTERNAL THEORY) INDUCING STRUCTURE) 140 (DEFINITION) 130 (X, C) — convex space: (1) \emptyset , $X \in \mathcal{C}$ 120 $\boldsymbol{(2)} \ \ \mathcal{A} \subset \mathcal{C} \Rightarrow \cap \mathcal{A} \in \mathcal{C}$ $(3)\,\,\mathcal{N}\subset\mathcal{C}\Rightarrow\cup\mathcal{N}\in\mathcal{C}$ 110 100 (POLYTOPE) 90 80 70 60 (DIMENSION) 50 30 20 10 -140 -130 -120 -110 -100-20 -10 100 110 -20 -30 -40 -50 -60 -70 -80 -90 References -100 -110 -120 -130 -140 Uniquely Geodesic Spaces -150 -160 -170 -180 -190 -200

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