



SEMINARIO IMAC DE ANÁLISIS

Conferencia a cargo de

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Takahashi convexity structures for T_0 -quasi-metric spaces

ABSTRACT: *We define and investigate convexity structures in the sense of Takahashi in T_0 -quasi-metric spaces. We observe that several important results about convexity structures in metric spaces can be generalized to the quasi-metric setting.*

Furthermore various interesting additional conditions that such convexity structures can satisfy are investigated.

We observe that these convexity structures naturally occur in asymmetrically normed real vector spaces and q -hyperconvex T_0 -quasi-metric spaces.

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