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THE PROPERTIES OF THE $n-$CONJUGATE FUNCTIONS

Abstract

The conception of conjugate convex functions belongs to Fenxel (see [1,2]). Later on, this conception was advanced to infinite dimensionality by Brennstedom and Morro (see [3-5]). The conception of n-conjugate functions is determined and its some properties are studied in the work. An existence theorem of intervening $B-$affine functional is proved.