CHARACTERIZATION OF INNER PRODUCT SPACES AND QUADRATIC FUNCTIONS BY SOME CLASSES OF FUNCTIONS

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Abstract. We define and discuss the $c$-quadratic-midaffine and $F$-midaffine functions. Using these functions we characterize inner product spaces and quadratic functions, respectively.


Keywords and phrases: Inner product space, quadratic function, $c$-quadratic-midaffine function, $F$-midaffine function.

REFERENCES