

AOKI-ROLEWICZ THEOREM ON p -NORMALIZING QUASI-NORMED SPACES AND APPLICATIONS

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Abstract

In this talk, we present the following results:

1. Applying Aoki-Rolewics theorem on p -normalizing quasi-normed spaces to prove some fixed point theorems in quasi-normed spaces.
2. Applying Aoki-Rolewics theorem on p -normalizing quasi-normed spaces to study the stability of functional equations in quasi-normed spaces.
3. Presenting some applications of obtained results.

Keywords: Aoki-Rolewicz; quasi-normed space; fixed point; stability; functional equation.