

A CLASS OF GENERALIZED MONOTONE OPERATORS

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Abstract

We consider the class of η -monotone operators ($\eta \in (-1, 1)$), which is intermediate between the class of Minty-Browder monotone operators and the class of h -monotone operators whenever $\eta \in (-1, 0)$. Several examples of η -monotone operators are presented along with an application to global injectivity.