

On the construction of maximal p -cyclically monotone operators

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Abstract

In this work we deal with the construction of explicit examples of maximal p -cyclically maximal monotone operators. To the date, there is only one instance [1] of an explicit example of a maximal 2-cyclically monotone operator that is not maximal monotone. We present several other examples, and a proposal of how such examples can be constructed.

References

- [1] H. H. Bauschke and X. Wang. An explicit example of a maximal 3-cyclically monotone operator with bizarre properties. *Nonlinear Analysis: Theory, Methods & Applications*, 69(9):2875–2891, 2008.

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