

## MONOTONE OPERATORS AND CONVEX FUNCTIONS

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ABSTRACT. We will talk about the theory of maximal monotone operators and its relationship with the convex analysis. We will focus our attention on the representability of a maximal monotone operator by a convex function. Also, we will give an introduction to the problem of the sum of two maximal monotone operators, and a description of some thoughts that have been considered to study this problem.

### REFERENCES

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