

## Seminar Optimization and Equilibrium

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**Title:** Sigma-convex functions and Sigma-subdifferentials.

**Abstract:** In this talk we present and study the notion of  $\sigma$ -subdifferential of a proper function  $f$  which contains the Clarke-Rockafellar subdifferential of  $f$  under some mild assumptions on  $f$ .

We show that some well known properties of the convex function, namely Lipschitz property in the interior of its domain, remain valid for the large class of  $\sigma$ -convex functions.

Online via Google Meet [meet.google.com/uoq-kifr-nsg](https://meet.google.com/uoq-kifr-nsg)

<https://eventos.cmm.uchile.cl/optimseminar/2020/09/sigma-convex-functions-and-sigma-subdifferentials/>

Miércoles, 23 de septiembre a las 10 Horas