

Seminar Optimization and Equilibrium

Speaker: Professor Wilfredo Sosa, Graduate Program of Economics, Catholic University of Brasilia, Brazil

Title: On diametrically maximal sets, maximal premonotone maps and premonotone bifunctions.

Abstract: First, we study diametrically maximal sets in the Euclidean space (those which are not properly contained in a set with the same diameter), establishing their main properties. Then, we use these sets for exhibiting an explicit family of maximal premonotone operators. We also establish some relevant properties of maximal premonotone operators, like their local boundedness, and finally we introduce the notion of premonotone bifunctions, presenting a canonical relation between premonotone operators and bifunctions, that extends the well known one, which holds in the monotone case.

*Date: November 18, 2020 at 10:00

* Venue: Online via Google Meet meet.google.com/tam-ddhj-psx

<http://eventos.cmm.uchile.cl/optimseminar/2020/11/on-diametrically-maximal-sets-maximal-premonotone-maps-and-premonotone-bifunctions/>