

# On sensitivity analysis in set-valued optimization via second-order composed contingent derivatives

*Monday, July 9, 2018 4:30 PM (30 minutes)*

In the talk, we discuss calculus rules of second-order composed contingent derivatives for set-valued maps. More precisely, chain rule and sum rule are established, and their applications to some particular mathematical models are obtained. Then, sensitivity analysis in set-valued optimization using second-order composed contingent derivatives are proposed.

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