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Coderivatives in Parametric Optimization in Asplund Spaces.

In this talk, we first develop some calculus rules for second-order partial subdifferentials of extended real-valued functions in the framework of Asplund spaces. We then apply these rules in the study of a family of parameterized optimization problems in which both cost function and constraint function are nonsmooth extended real-valued, and conduct local sensitivity analysis for the stationary point and stationary point-multiplier multifunctions. (Received September 21, 2009)