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S. Deng* (sdeng@niu.edu), Dept of Mathematical Sciences, Northern Illinois University, DeKalb, IL 60115. *Exact Regularization and Weak Sharp Minima in Optimization.*

This presentation will focus on inner connections among exact regularization, exact penalization, and weak sharp minima in optimization. We will discuss some new insights about these connections. Along the way, we will illustrate with examples, how to obtain both new results and reproduce many existing results from a fresh perspective. (Received August 11, 2015)