

A dynamic approach to optimization, old and new

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Abstract

In this talk, classical as well as recent results pertaining to dynamical optimization are discussed, with emphasis laying on three questions concerning a) the context and motivating applications which have shaped a shift of paradigm in the field, b) the connections between classical results and current convex theory and c) recent developments, new trends and ideas. Although most of the material is dedicated to convex optimization, some important nonconvex topics are also covered.