

Fedor Stonyakin

Taurida National University Simferopol, Ukraine

**Compact subdifferentials and their applications
to generalized Radon-Nikodym property in Fréchet spaces**

The problem of describing strongly absolutely continuous mappings into a locally convex space (LCS), which can be represented in the form of indefinite Bochner integrals, is studied in the spaces without the Radon-Nikodym property (RNP). Our approach is mainly based on the concept of K -subdifferentials.