1137-49-34 Ilya Shvartsman\* (ius13@psu.edu), Middletown, PA 17057. Second-Order Optimality
Conditions for Singular Extremals in Optimal Control Problems with Equality Endpoint
Constraints.

We use the method of finite-dimensional approximations to derive second-order necessary optimality conditions for singular Pontryagin local minimizers in optimal control problems with equality endpoint constraints. The talk is based on the joint work with A. Arutyunov and Z. Zhukovskaya. (Received January 16, 2018)