Numerical Optimal Control Approach to Time-Optimizing Slalom Skiing

Floris Remmert[1], Natalie Hiss[1], and Katharina Rempel[1]

[1]Affiliation not available

October 27, 2020

Abstract

Multiple Shooting was tested with a slalom-skiing optimal control problem. A model of the underlying physics was put together and thereby time-optimal solutions for slalom-skiing tracks where found.

Hosted file

`Num_Opt(1).pdf` available at https://authorea.com/users/370602/articles/489223-numerical-optimal-control-approach-to-time-optimizing-slalom-skiing