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Numerical Methods of Longitudinal Beam Dynamics

Monday, 23 February 2015 11:00 (1 hour)

This lecture will focus on explaining basic beam dynamics concepts and the numerical methods to model them.

Targeted audience: Computer scientists, engineers, and physicists interested in accelerator physics

Benefits of attending the lecture: By the end of the lecture, you will have an overview of the building blocks of longitudinal beam dynamics and a feeling for the complexity of its numerical modelling.

Prerequisites: Basic scientific background

Presenter: TIMKO, Helga (CERN)

Session Classification: Simulation of Longitudinal Beam Dynamics Problems