The CERN Accelerator School

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# Optics calculations

*Monday 18 November 2024 08:30 (1 hour)*

This lecture provides hands-on guidance for performing optics calculations related to a simple synchrotron. It walks users through the steps needed to execute these calculations using the xsuite, a software for accelerator simulations. This resource is aimed at students and researchers interested in accelerator physics, particularly in understanding basic concept of resonances, chromatic correction, optimal tune and dynamic aperture.

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