

Optics Measurements, Corrections and Modeling for High-Performance Storage Rings



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Action-Phase analysis

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Action and phase analysis on turn by turn BPM data in the LHC show visible variation of action and phase variables in the LHC interaction regions. Linear optic errors are deduced from these quantities. Local skew quadrupole correctors and quadrupole triplets at each interaction region can be set according to such error estimations. This work show the procedure to establish the relationship between the two of them.

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