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Probing non-linear fields with orbit bumps

Tuesday 21 June 2011 11:30 (20 minutes)

The nonlinear tune response matrix (NTRM) method was developed to diagnose the lattice nonlinear components.

It explores a nonlinear tune response to a controlled closed orbit deformation (COD).

The details and challenges of the experimental application of the NTRM method are discussed.

Status of experimental reconstruction of controlled sextupolar errors and natural sextupolar components of the SIS18 Synchrotron are presented.

Presenter: PARFENOVA, Angelina (GSI)

Session Classification: Techniques review - II