Understanding Sextupole: Part III - Large Amplitude Dynamics and Dynamic Aperture

Tim Zolkin, FNAL

Date: Tuesday, November 12When: 4:00 pm CDTWhere: One West (WH1W) and Zoom

Abstract: This is the third in a series of three talks aimed at deepening our understanding of the dynamics induced by sextupole and octupole magnets in accelerator rings. The series is structured into three parts: (I) "Small Amplitude Dynamics and Nonlinear Detuning," (II) "Exact Analytical and Numerical Solutions," and (III) "Large Amplitude Dynamics and Dynamic Aperture."

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