Contribution ID: **32**   Type: **Poster/Demo**

Orbit correction by machine learning in TPS storage ring

Thursday, March 7, 2024 3:05 PM (1 minute)

Machine learning has been widely used in many fields including science and technology. This paper will focus on the orbit correction by the algorithm of neural networks, a subset of machine learning, in Taiwan photon Photon Source. The training data for neural network is collected by machine study and accelerator toolbox (AT).

Primary Keyword

AI-based controls

Secondary Keyword

Tertiary Keyword

Primary author: CHIU, Mau-Sen (National Synchrotron Radiation Research Center)

Presenter: CHIU, Mau-Sen (National Synchrotron Radiation Research Center)

Session Classification: Poster/Demos

Track Classification: Optimization & Control