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A vibrating wire system for multipole magnets alignment in TPS

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An auto-scanning vibrating wire system for magnets centering alignment was developed at NSRRC. It is prepared for the replacement of magnets on the girder of TPS storage ring in case of malfunction and also as a pre-study topic of the TPS upgrade. With this system, both quadrupole and sextupole magnets were tested in the laboratory. This paper presents the system configuration and testing results.

Footnotes

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Author: TSENG, Tse-Chuan (National Synchrotron Radiation Research Center)

Co-authors: LIN, Chia-Jui (National Synchrotron Radiation Research Center); KUAN, Chien-Kuang (National Synchrotron Radiation Research Center); HUANG, Chun-Shien (National Synchrotron Radiation Research Center); WANG, Huai-San (National Synchrotron Radiation Research Center); HSU, Keng-Hao (National Synchrotron Radiation Research Center); LAI, Wei-Yang (National Synchrotron Radiation Research Center); LIU, Yi-Chih (National Synchrotron Radiation Research Center)

Presenter: TSENG, Tse-Chuan (National Synchrotron Radiation Research Center)

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