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New controls for white circuits power supplies for the booster synchrotron of Taiwan Light Source

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Controls of the White circuits for the booster synchrotron of Taiwan Light Source was developed in late 1990s. That design based on various analog circuitry to detect 10 Hz magnet amplitude and phase. The existed implementation consists of analog regulation for amplitude control and digital regulation for relative phase between magnet family. Modernized of the White circuits controls was implemented recently to avoid obsolesce of components of the existed system. Upgraded system adopt digital regulation for amplitude and phase loops. Improve performance and easy maintenance are the goals of this upgrade.

Funding Agency

Footnotes

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Yes

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