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Archiving system for EAST PF Power Supply

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Poloidal field power supply (PFPS) is an important subsystem of EAST (Experimental Advanced Superconducting Tokamak), the archiving system of is essential. The monitor system of PFPS is running on Linux operation system, based on EPICS (Experimental Physics and Industrial Control System), and the HMI (Human Machine Interface) is CSS (Control System Studio). Archive is a plugin of CSS, used to data archiving. This paper creates archiving system, including archive engine, client, and RDB (Relational DataBase). Configure the PVs (Process Variables) which need archived so that they can be stored to RDB when changed. Realize the real-time archiving of all input signals, and the history data can be browsed at any time through CSS. Archiving makes monitor system to be a fully function system and provides data basis for analyzing EAST PFPS.

Minioral

Yes

IEEE Member

Yes

Are you a student?

No

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