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Recent progress in stabilized fiber link

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Femtosecond pulsed optical synchronization systems have developed rapidly in the past decade and has become a preferred technique to synchronize FELs. As a bridge connecting the reference source and the clients, the stabilized fiber links need to transmit the reference signal over a long distance to the clients with ultralow additional jitter, which are used to precisely measure the electron bunch arrival time for fast feedback correction, to prescisely synchronize various laser clients, and to regenerate RF reference signals for low level control system. This paper presents the recent progress in stabilized fiber link.

Footnotes

Funding Agency

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Yes

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