

Synergetic Repetition Frequency Locking of an Optical Frequency Comb

In order to make optical comb work for long time under severe temperature changes environment, meeting some needs that require using optical comb under harsh environment, this paper proposes a scheme for repetition-rate locking of optical frequency combs based on delay line, temperature control and PZT.

Authors: Mr JIN, Ziyi (State Key Laboratory of Information Photonics and Optical Communications); Mr YU, Dongrui (State Key Laboratory of Information Photonics and Optical Communications); Mr CHEN, Ziyang (State Key Laboratory of Advanced Optical Communication Systems and Networks, School of Electronics, and Center for Quantum Information Technology); Mr GUO, Hong (State Key Laboratory of Advanced Optical Communication Systems and Networks, School of Electronics, and Center for Quantum Information Technology)

Presenter: Mr JIN, Ziyi (State Key Laboratory of Information Photonics and Optical Communications)

Track Classification: Time and Frequency Transfer