

Progress on Optical Clock Technology for Operational Timescales

We present efforts at the US Naval Observatory to integrate optical-clock technology into our clock ensemble. Emphasis will be on our use of an optical local oscillator disciplined to an atomic fountain, measured directly in the clock measurement, as well as on our calcium-beam clock development.

Primary authors: PEIL, S.; TOBIAS, W.; WHALEN, J.; HEMINGWAY, B.; AKIN, T.

Presenter: PEIL, S.

Track Classification: SI definition, Clocks and Time Scales