



Fringeazz MIR

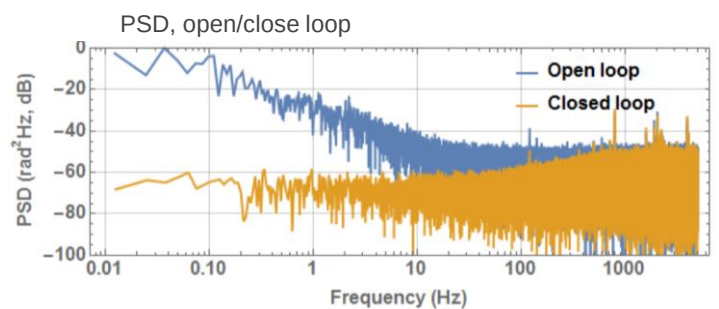
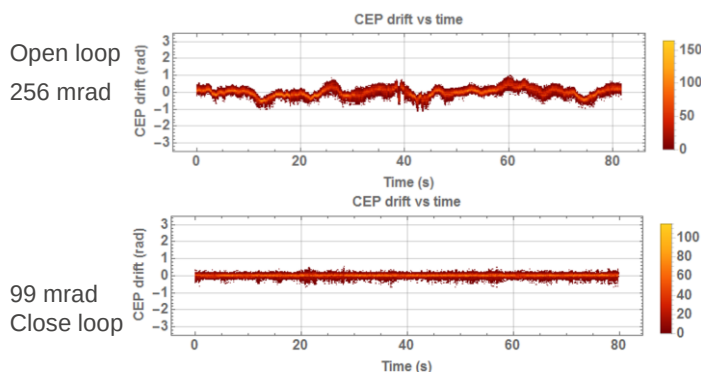
Integrated CEP detector

Single-shot carrier-envelope phase measurement

- ✓ Single-shot CEP measurement at multi-kHz repetition rates
- ✓ Real-time data analysis and data logging
- ✓ Plug and play feedback with the Dazzler CEP module

- CEP measurement speed up to 15 kHz
- Maximum laser repetition rate for single-shot measurements > 100 kHz
- Resolution 6 – 10 mrad
- Real time software analysis PSD, statistics, data-logging
- Hardware-only feedback, loop settings management by software
- Optical input requirements
 - 5 to 15 interference fringes on a 200 nm bandwidth centered between 0.95 and 1.7 μm
 - Fringes contrast > 50%
 - Entrance slit 50 μm
 - Energy 15-25 nJ on the specified bandwidth

✓ Special feature for Ti:Sa amplifiers optimization



CEP data from Fastlite OPCPA