

SH 7: Frequency Combs and Applications

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Benefits and Learning Objectives:

- A short history of the frequency comb
- Basic properties both, in the time domain and frequency domain
- Frequency metrology
- Time domain applications
- Practical issues for setting up and running a frequency comb
- Various methods of direct frequency comb spectroscopy
- XUV frequency combs
- Applications such as all optical clocks and in astronomy

Intended Audience:

This course is intended to be beneficial for graduate students and industrial and academic researchers who plan to work with frequency combs.