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המכון למחצב מוצק

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Multiplexed FROG

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Abstract

Frequency Resolved Optical Gating (FROG) is a popular method for complete characterization of optical laser pulses. In FROG, a reconstruction algorithm retrieves the pulse from its measured auto-spectrogram (FROG trace). We proposed and demonstrate, numerically and experimentally, multiplexed FROG, which characterizes several pulses from a single multiplexed FROG trace (a multiplexed FROG trace corresponds to a sum of FROG traces, where each FROG trace corresponds to one of the pulses in the burst). Multiplexed FROG can characterize isolated burst of pulses that are currently not measurable.

ההרצאה תתקיים ביום רביעי ה-2.8.17 בשעה 12:30

בבניין פיסיקה (לידוב), קומה שישית, חדר סמינרים 620

**The lecture will take place on Wednesday, 2.8.17 at 12:30
at the Physics Building (Lidow), 6th floor, Seminar room 620**

M.Sc. Student of Associate Professor Oren Cohen