

High-power nonlinear amplification of an electro-optic frequency comb at GHz repetition rates

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We present an electro-optic comb seeded ultrafast nonlinear fiber amplifier at $1.03\ \mu\text{m}$. By tuning and dividing the driving radiofrequency of the EO comb, the system can deliver up to 200 W picosecond pulses compressible down to hundreds of femtoseconds at flexible GHz repetition rate.

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