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Title:Modelocked semiconductor laser system with pulse picking for variable repetition rate
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Abstract:The generation of picosecond pulses from a hybrid modelocked semiconductor master oscillator power amplifier system with a repetition rate as low as 340kHz is presented. The fundamental repetition rate of the external cavity laser was 348MHz and is reduced by an integrated ultrafast semiconductor pulse picker element which picks and amplifies only every 2nth pulse. The central wavelength was around 850nm.
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