

Abstracts

Mode-Locked Oscillator Arrays

R.A. York and R.C. Compton. "Mode-Locked Oscillator Arrays." 1991 Microwave and Guided Wave Letters 1.8 (Aug. 1991 [MGWL]): 215-218.

The output characteristics of a linear array of oscillators is discussed. By arranging the output frequencies of each oscillator to give a spectrum of equally spaced components, a "mode-locked" system results, thereby producing short, high-power RF pulses. Promising results from a linear array of up to five elements is presented, with good theoretical agreement.

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