

Abstract Submitted
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Experimental demonstration of the anti-maser ANTHONY MAZZOCCO, MICHAEL AVILES, JIM ANDREWS, NATHAN DAWSON, MICHAEL CRESCIMANNO, Dept. of Physics and Astronomy, Youngstown State University — We denote by “anti-maser” a coherent perfect absorption (CPA) process in the radio frequency domain. We demonstrate several experimental realizations of the anti-maser suitable for an advanced undergraduate laboratory. Students designed, assembled and tested these devices, as well as the inexpensive laboratory setup and experimental protocol for displaying various CPA phenomenon.

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