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Developments in Coherent Perfect Polarization Rotation[1]
MICHAEL CRESCIMANNO, JAMES ANDREWS, CHAUNHONG ZHOU, MICHAEL BAKER, Youngstown State University, Dept. of Physics and Astronomy — Coherent Perfect Polarization Rotation (CPR) is a useful technique akin to Coherent Perfect Absorption (CPA, also known as the anti-laser) but that results in very high efficiency optical mode conversion. We describe the analysis of recent experimental data from our CPR testbed, the use of CPR in miniaturizing optical isolators and CPR phenomena in non-linear optics.

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