

Abstract Submitted  
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**Dispersion and Conversion: Coherent Perfect Rotation in 1-d Photonic Crystals** MICHAEL BAKER, CHAUNHONG ZHOU, MICHAEL CRESCIMANNO, JAMES ANDREWS, Department of Physics and Astronomy, Youngstown State University — We describe theory we use to investigate the role that group velocity modulation plays in the coherent perfect rotation (CPR). CPR is the conservative, reversible analogue of the antilaser. Beyond simple band effects, we study the CPR threshold at so-called “phase slip” in-band defect modes.

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