## Nonlinear Switching Using Bragg Gratings

N. G. R.Broderick, D. Taverner, D. J. Richardson, M. Ibsen and R. I. Laming

Optoelectronics Research Centre, University of Southampton, Southampton, SO17 1BJ, UK.

Phone: +44 (0)1703 593144, Fax: +44 (0)1703 593142, email: ngb@orc.soton.ac.uk

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## Abstract

We report on the construction of three different kinds of nonlinear switches involving nonlinear fibre Bragg gratings. Two switches involve gap soliton formation while the last relies on cross-phase modulation and is based on the optical pushbroom.