

Erratum

I. Makasyuk, Z. Chen and J. Yang, “Bandgap guidance in optically-induced photonic lattices with a negative defect”, Phys. Rev. Lett. 96, 223903 (2006)

Page 3, left column, line 15:

$$I_L(x, y) = I_0 \sin^2\left(\frac{x+y}{\sqrt{2}}\right) \sin^2\left(\frac{x-y}{\sqrt{2}}\right) \left(1 - \epsilon \exp\left(-\frac{(x^2+y^2)^4}{128}\right)\right)$$

The two “sin” above should both be “cos”, i.e. the correct expression is

$$I_L(x, y) = I_0 \cos^2\left(\frac{x+y}{\sqrt{2}}\right) \cos^2\left(\frac{x-y}{\sqrt{2}}\right) \left(1 - \epsilon \exp\left(-\frac{(x^2+y^2)^4}{128}\right)\right)$$