

The complex Jacobi iterative method for three-dimensional wide-angle beam propagation: erratum

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Abstract: An erratum is presented to correct the definition of coefficient ξ^* in Eq. (12) in our paper.

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References and Links

1. K. Q. Le, R. Godoy-Rubio, P. Bienstman, and G. R. Hadley, "The complex Jacobi iterative method for three-dimensional wide-angle beam propagation," *Opt. Express* **16**, 17021-17030 (2008).

In Eq. (12) of our original paper [1] we wrote:

ξ^* is the complex conjugate of ξ where

$$\xi = \frac{1}{4k^2(1 + i\beta/2)} - \frac{i\Delta z}{4k}.$$

However, the correct definition of ξ^* is

$$\xi^* = \frac{1}{4k^2(1 + i\beta/2)} + \frac{i\Delta z}{4k}.$$

Still, all calculations in [1] were performed using the correct formula.