

Multipole method for microstructured optical fibers. I. Formulation: errata

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The following coefficients of Eqs. (C7), (C9), and (C11) of Ref. 1 contain errors and should read

$$R_m^{KK-} = \frac{1}{\delta_m} \{ (\alpha_{H-H^+}^+ - \alpha_{H+H^-}^-) (n_{-}^2 \alpha_{J-H^+}^+ - n_{+}^2 \alpha_{H+J^-}^-) - m^2 J_m^- H_m^- H_m^{+2} \tau^2 \},$$

$$\delta_m = (\alpha_{H+J^-}^- - \alpha_{J-H^+}^+) (n_{-}^2 \alpha_{J-H^+}^+ - n_{+}^2 \alpha_{H+J^-}^-) + (m J_m^- H_m^+ \tau)^2,$$

$$R_m^{EE+} = \frac{1}{\delta_m} \{ (\alpha_{J-H^+}^+ - \alpha_{H+J^-}^-) (n_{-}^2 \alpha_{J-J^+}^+ - n_{+}^2 \alpha_{J+J^-}^-) - m^2 J_m^+ H_m^+ J_m^{-2} \tau^2 \},$$

$$R_m^{KK+} = \frac{1}{\delta_m} \{ (\alpha_{J-J^+}^+ - \alpha_{J+J^-}^-) (n_{-}^2 \alpha_{J-H^+}^+ - n_{+}^2 \alpha_{H+J^-}^-) - m^2 J_m^+ H_m^+ J_m^{-2} \tau^2 \}.$$

We are indebted to Yong Xu for drawing our attention to these typographical errors, which did not affect any of the numerical results in Ref. 1.

REFERENCE

1. T. P. White, B. T. Kuhlmeiy, R. C. McPhedran, D. Maystre, G. Renversez, C. M. de Sterke, and L. C. Botten, "Multipole method for microstructured optical fibers. I. Formulation," *J. Opt. Soc. Am. B* **19**, 2322–2330 (2002).