ERRATA

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

T. P. White

School of Physics, University of Sydney, Sydney, New South Wales 2006, Australia

B. T. Kuhlmey

School of Physics, University of Sydney, Sydney, New South Wales 2006, Australia and Institut Fresnel (Unité Mixte de Recherche du Centre National de la Recherche Scientifique 6133), Faculté des Sciences et Techniques de Saint Jérôme, 13397 Marseille Cedex 20, France

R. C. McPhedran

School of Physics, University of Sydney, Sydney, New South Wales 2006, Australia

D. Maystre and G. Renversez

Institut Fresnel (Unité Mixte de Recherche du Centre National de la Recherche Scientifique 6133), Faculté des Sciences et Techniques de Saint Jérôme, 13397 Marseille Cedex 20, France

C. Martijn de Sterke

School of Physics, University of Sydney, Sydney, New South Wales 2006, Australia

L. C. Botten

School of Mathematical Sciences, University of Technology, Sydney, New South Wales 2008, Australia

OCIS codes: 060.2280, 060.2400, 060.4510.

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

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

$$\delta_m = (\alpha^-_{H^+J^-} - \alpha^+_{J^-H^+})(n_-^2\alpha^+_{J^-H^+} - n_+^2\alpha^-_{H^+J^-}) + (mJ_m^- H_m^+\tau)^2,$$

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

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

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. Kuhlmey, 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).