Erratum: “Characteristics of Fused Optical Fiber Grating Couplers with Tapered Shapes” [Opt. Rev. 6 (1999) 173]

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In the paper, there are several corrections.

On p. 174, eq. (4) is incorrect. The correct equation is

$$\kappa_i = \frac{\pi \Delta n_{UV}}{2\lambda_B} \eta_i, \quad (4)$$

On p. 175, the seventh sentence in the first paragraph of subsection “3.2 Numerical results” is incorrect. The correct sentence is as follows. The degree of fusion η and the elongation ratio τ were selected as 0.8 and 0.25 so that L_c was 15 mm.

On p. 175, the last sentence in the first paragraph of subsection “3.2 Numerical results” is incorrect. The correct sentence is as follows. The maximum index increase Δn_{UV} caused by UV irradiation and the grating length L_g were assumed to be 2.0×10^{-3} and 2.0 mm, respectively.

On p. 176, the second sentence in the fifth paragraph of

subsection “3.2 Numerical results” is incorrect. The correct sentence is as follows. L_c of the FGC was 15 mm, similar to the case of EXP-type FGC; the degree of fusion η and the elongation ratio τ were 0.8 and 0.35, respectively.

On p. 176, the fifth sentence in the fifth paragraph of subsection “3.2 Numerical results” is incorrect. The correct sentence is as follows. The grating offset in this figure was chosen as 0.5 mm.

On p. 177, Fig. 7 is incorrect. The correct figure as follows.

On p. 177, the fourth sentence in the last paragraph of subsection “3.2 Numerical results” is incorrect. The correct sentence is as follows. The grating offsets of FGCs with EXP-type and SIN^2 -type tapers are 0.5 mm and 0.3 mm, respectively.

Fig. 7. Drop efficiencies for the grating offset. Solid line: SIN^2 -type taper, dotted line: EXP-type taper.