Corrections to "General Analysis of a Parallel-Plate Waveguide Inhomogeneously Filled with Gyromagnetic Media"

M. MROZOWSKI AND J. MAZUR

We would like to correct the following mistakes in our paper.[1]

1) The normalized magnetic field (defined in (1)) should read $\vec{H} = \epsilon_0 \eta_0 \vec{H}$, where η_0 and ϵ_0 are, respectively, the intrinsic impedance of free space and the permittivity of vacuum.

2) Equation (14) should read

$$\lambda_1^{(l)} = -\lambda_2^{(l)} = \left\{ \frac{1}{2} \left[g_2 - \left(g_2^2 - 4g_0 \right)^{1/2} \right] \right\}^{1/2}$$

$$\lambda_3^{(l)} = -\lambda_4^{(l)} = \left\{ \frac{1}{2} \left[g_2 + \left(g_2^2 - 4g_0 \right)^{1/2} \right] \right\}^{1/2}.$$

[1]M. Mrozowski and J. Mazur, *IEEE Trans. Microwave Theory Tech.*, vol MTT-34, pp. 388–395, Apr. 1986.

Corrections to "New Results in Dielectric-Loaded Resonators"

K. A. ZAKI

In the above paper,[1] an error was made in some of the field plots. The corrected plots are shown below.


Fig. 12.   Magnetic fields for HEH_{11} mode at $z = L/2$.

[1]K. A. Zaki and C. Chen, *IEEE Trans. Microwave Theory Tech.*, vol. MTT-34, pp. 815–824, July 1986.
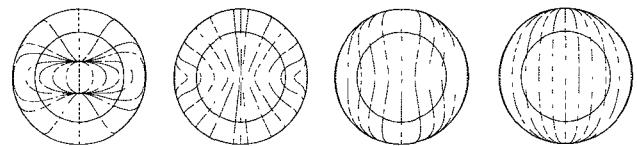
Fig. 14.   Magnetic fields for HEH_{12} mode at $z = L/2$.
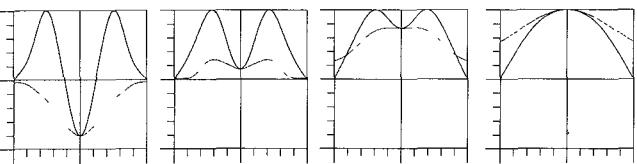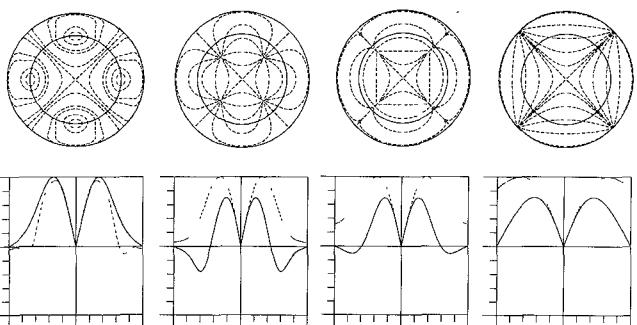
Fig. 16.   Magnetic fields for HEH_{21} mode at $z = L/2$.
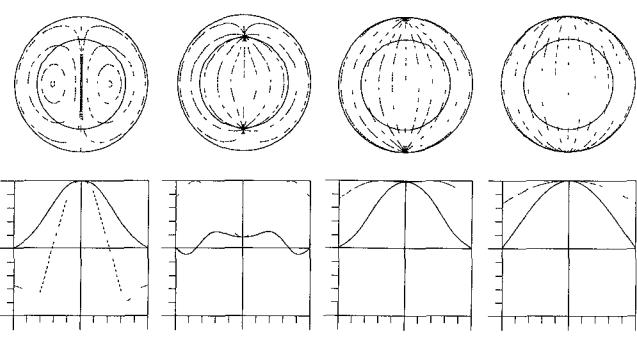

Fig 18.   Magnetic fields for HEE_{11} mode at $z = L/2$.