

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 $\tilde{H} = \epsilon_0 \eta_0 \vec{H}$, where η_0 and ϵ_0 are, respectively, the intrinsic impedance of free space and the permittivity of vacuum.

2) Equation (14) should read

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

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

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

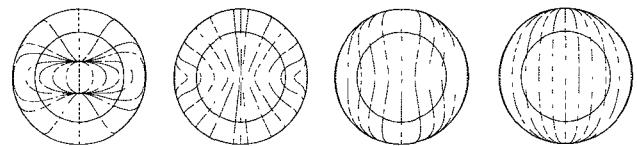


Fig. 14. Magnetic fields for HEH_{12} mode at $z = L/2$.

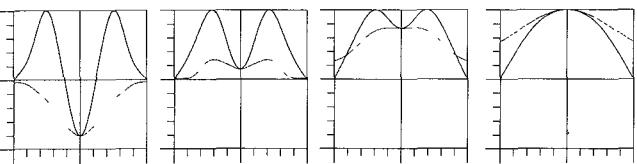


Fig. 16. Magnetic fields for HEH_{21} mode at $z = L/2$.

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.

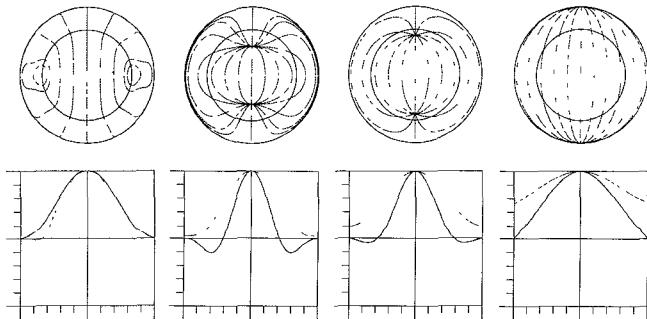


Fig. 12. Magnetic fields for HEH_{11} mode at $z = L/2$.

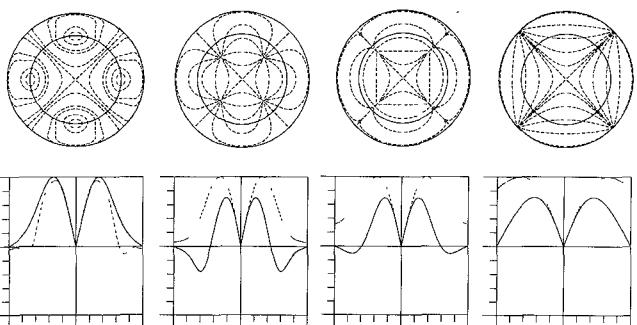


Fig. 16. Magnetic fields for HEH_{21} mode at $z = L/2$.

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IEEE Log Number 8613410.

¹K. A. Zaki and C. Chen, *IEEE Trans. Microwave Theory Tech.*, vol. MTT-34, pp. 815-824, July 1986.

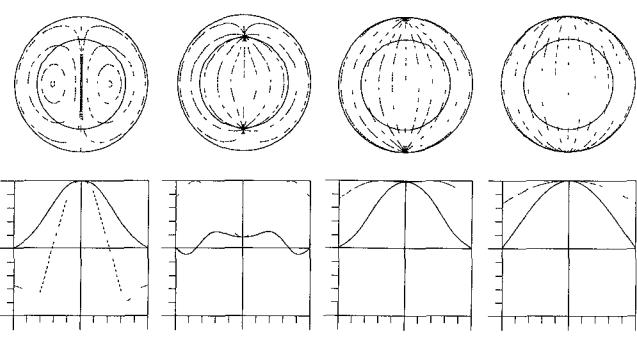


Fig. 18. Magnetic fields for HEE_{11} mode at $z = L/2$.