

5 Errata

[P1]

Some misprints by the publisher:

- The title has an annoying error. The word 'combine' should be 'comblin'.
- Section 4.2, third line after equation (29): The letter 'l' has changed to '1' (number one). I.e., the impedance should be $Z_c = \sqrt{\frac{l}{c}}$.

[P2]

In Figure 4 of the paper, the curves have been drawn incorrectly. The curves should look like in Figure 11 (below).

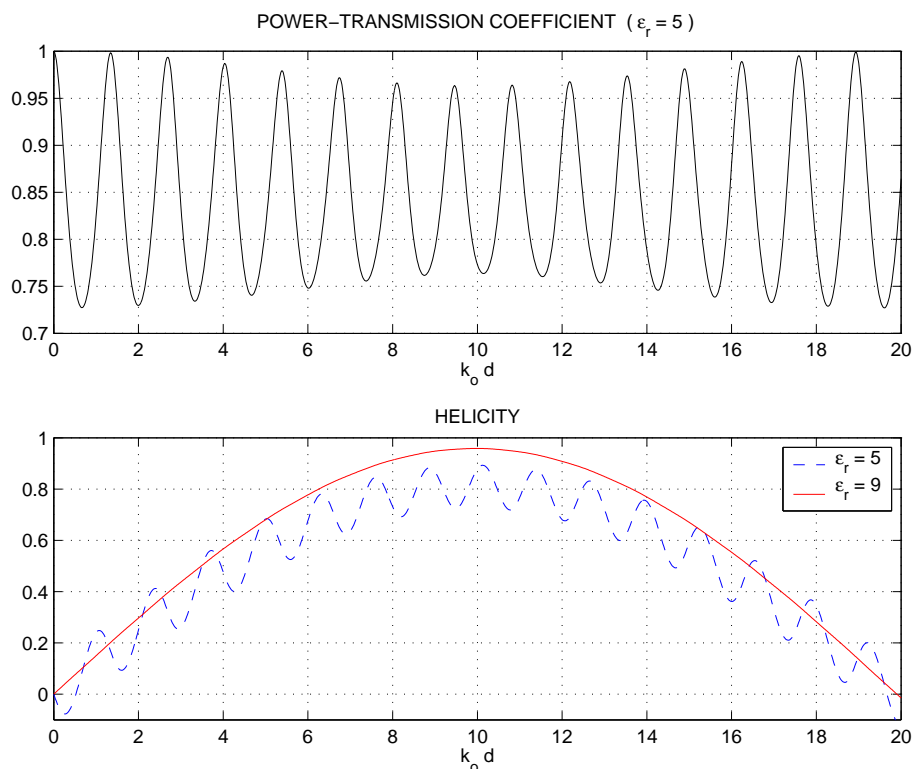


Figure 11: Power-transmission coefficient and magnitude of the helicity vector p . In case $\epsilon_r = 9$, transmission coefficient is very close to 1.

[P3]

The author forgot the sign of μ_g . Because it is assumed that $\omega > \omega_o$, parameter $\mu_g < 0$ (equation (2)). This causes that $\beta_+ < \beta_-$. E.g., in the shown example it should be $\beta_{\pm} \approx (1.51 \mp 0.08)10^3 \text{ m}^{-1}$, *not* $\beta_{\pm} \approx (1.51 \pm 0.08)10^3 \text{ m}^{-1}$.

Note: In the following paper the constitutive relations are written so that μ_g can be assumed positive, if $\omega > \omega_o$.

[P4]

Some misprints by the publisher:

- Formula (86): R^- should be R^{--}
- Formulas (87),(89): In the 2x2 matrices, the elements are printed a bit too close to each other. However, a sensible reader certainly understands what the elements are. If feeling uncertain, see also formulas (84) and (85).
- Formula (91): Some matrices have lost their double overline. E.g., of course R_{GI} should be $\overline{\overline{R_{GI}}}$.

[P5]

Possibly misleading changes in the text by the publisher:

- The author has been using the phrase “...finite PBG plate thickness...” with a meaning “...PBG plate having finite thickness...”. The phrase has been changed to “...finite-PBG plate thickness...”. This does not seem right. However, the author can blame himself, because the original phrase was a bit ambiguous.
- Page 330, last paragraph: “...the cause radiation losses in the z direction to drop the transmission level.” Originally, the message was “Real PBG waveguides are 3-D, causing that radiation losses in z -direction drop the transmission level.”
- Page 331: new word invented, '3increased'
- Page 332, 3rd paragraph: “...also using a too-strong frequency-dependent reflection from the WG end causes ripple...” Of course, the reflection from the WG end is an unwanted effect here. The message should be “...also having a too-strong frequency-dependent reflection from the WG end causes ripple...”