ERRATA–CORRIGE TABLE

| Reference | Errata | Corrige |
|---|---|---|
| Fig. 1 | L1 | L2 |
| Fig. 1 | L2 | L1 |
| Eqn. (3) | $\hat{Y}_{pq}(z)=\dfrac{\sum_{r=0}^{M} c_r^{pq} z^{-r}}{1+\sum_{r=0}^{M} d_r z^{-r}}$ | $\hat{Y}_{pq}(z)=\dfrac{\sum_{r=0}^{M} \frac{c_r^{pq}}{d_0} z^{-r}}{1+\sum_{r=1}^{M} \frac{d_r}{d_0} z^{-r}}$ |
| Eqns. (4), (6), (7), (9) | $c_r^{pq}$ for $r$=0, …, $M$ | $\dfrac{c_r^{pq}}{d_0}$ for $r$=0, …, $M$ |
| Eqns. (4), (6), (7), (9) | $d_r$ for $r$=1, …, $M$ | $\dfrac{d_r}{d_0}$ for $r$=1, …, $M$ |
| Eqn. (18) | $I_{NL}^{n+\frac{1}{2}}=I_0\left[\exp\left(V_2^{n+1}+V_2^n/2\eta V_T\right)-1\right]+\cdots$ | $I_{NL}^{n+\frac{1}{2}}=I_0\left[\exp\left(\dfrac{V_2^{n+1}+V_2^n}{2\eta V_T}\right)-1\right]+\cdots$ |

## Authors' Reply

Gianluca Emili, Federico Alimenti, Paolo Mezzanotte, Luca Roselli, and Roberto Sorrentino

We are grateful to O. El Mrabet and M. Essaaidi for pointing out some errors in the above paper.[1] There is a simpler way, however, to look at those errors, which are actually a total three.

The first error in the above paper is in Fig. 1(b), where the subscripts of the inductances $L1$ and $L2$ have been interchanged. The admittance matrix, therefore, needs not to be changed.

The second error in the above paper results from the normalization of (3), with respect to $d_0$. The assumption $d_0 = 1$ highly simplifies the mathematical expressions. By mistake, the normalization has not been applied to Tables I and II in the above paper, whose elements should, therefore, be divided by $d_0$. Finally, the summation at the denominator of the above equation should actually begin with $r = 1$.

To restore the original idea of normalization, as an alternative to what proposed by El Mrabet and Essaaidi, we suggest an Errata–Corrige Table, where the coefficients $d_r$ and $c_r$ are quoted in Tables I and II in the above paper.

Another typographical error in the above paper has been detected and is quoted in the last row of the Errata–Corrige Table.

It is important to stress that the results presented in the above paper are not affected at all by the above-mentioned errors, which are simply relational.

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[1]G. Emili, F. Alimenti, P. Mezzanote, L. Roselli, and R. Sorrentino, *IEEE Trans. Microwave Theory Tech.*, vol. 48, no. 12, pp. 2277–2282, Dec. 2000.

## Corrections to "Accurate Circuit Model of Interdigital Capacitor and Its Application to Design of New Quasi-Lumped Miniaturized Filters With Suppression of Harmonic Resonance"

Lei Zhu and Ke Wu

In the above paper,[1] (2a)–(2c) are not exactly correct and should read as follows with reference to the network equivalence, as illustrated in Fig. 1(a) and (b):

$$\frac{J}{\sqrt{Y_1Y_2}}=\frac{\sin(-\phi_1/2)+\overline{B}_{11}\cos(-\phi_1/2)}{\overline{B}_{12}\sin(-\phi_2/2)}=\frac{\overline{B}_{12}\cos(-\phi_2/2)}{\overline{B}_{11}\sin(-\phi_1/2)-\cos(-\phi_1/2)} \tag{1a}$$

$$\phi_1=M_1\pi+\tan^{-1}\left\{\frac{2\left(\overline{B}_{11}+\overline{B}_{22}\left|\overline{B}\right|\right)}{1+\overline{B}_{22}^2-\overline{B}_{11}^2-\left|\overline{B}\right|^2}\right\} \tag{1b}$$

$$\phi_2=M_2\pi+\tan^{-1}\left\{\frac{2\left(\overline{B}_{22}+\overline{B}_{11}\left|\overline{B}\right|\right)}{1+\overline{B}_{11}^2-\overline{B}_{22}^2-\left|\overline{B}\right|^2}\right\} \tag{1c}$$

where $\overline{B}_{11}=B_{11}/Y_1$, $\overline{B}_{22}=B_{22}/Y_2$, and $\overline{B}_{12}=B_{12}/\sqrt{Y_1Y_2}$ and $|\overline{B}|=\overline{B}_{11}\overline{B}_{22}-\overline{B}_{12}^2$, $M_1$, and $M_2$ are the two positive integer

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[1]L. Zhu and K. Wu, *IEEE Trans. Microwave Theory Tech.*, vol. 48, no. 3, pp. 347–356, Mar. 2000.

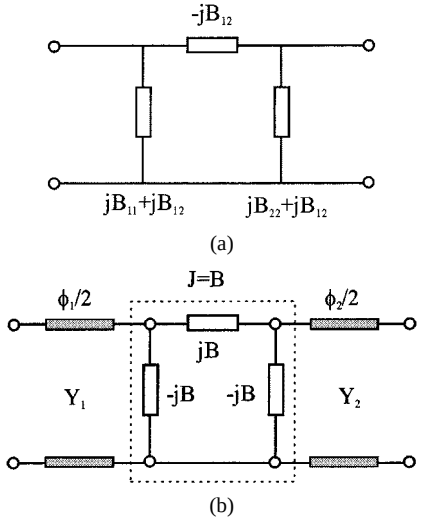


Fig. 1. Equivalence of an asymmetrical two-port lossless network.

numbers, $Y_1$ and $Y_2$ indicate the characteristic admittances of two asymmetrical feeding lines.