

# Letters

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## Corrections to "New Explicit Expressions for the Coupling Matrix Elements Related to Scattering from a Planar Periodic Single-Strip Grating"

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In the above paper<sup>1</sup> (2), (3), and (11) need some corrections and should read as follows:

$$\int_{-b/2}^{b/2} f_n(z') \sum_{m \neq 0} B \frac{e^{-j \frac{2m\pi}{p}(z-z')}}{|m|} dz' = e^{-j \frac{2n\pi}{p} z} \quad (2)$$

$$2B \int_{-b/2}^{b/2} f_n(z') \ln \frac{1}{2 \sin \frac{\pi|z-z'|}{p}} dz' = e^{-j \frac{2n\pi}{p} z} \quad (3)$$

$$A_{mn} = \frac{1}{2B} \left[ -\frac{(P_n(u) + P_{n-1}(u))(P_m(u) + P_{m-1}(u))}{4 \ln \sin(A/2)} + n \begin{cases} -\sum_{p=0}^{-n} \rho_{-n-p}(u) P_{m+p}(u), & n \leq -1 \\ \sum_{p=0}^n \rho_{n-p}(u) P_{-m+p}(u), & n \geq 1 \end{cases} \right]. \quad (11)$$

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<sup>1</sup>D. N. Filipovic, *IEEE Trans. Microwave Theory Tech.*, vol. 43, pp. 1540–1544, July 1995.