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# Erratum: Power Matching to Pulsed Inductively Coupled Plasmas [J. Appl. Phys. 127, 133302 (2020)] FREE

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This erratum applies to the paper "Power Matching to Pulsed Inductively Coupled Plasmas."[1] In this paper, we discussed power deposition in continuous wave and pulsed electronegative $Ar/Cl_2$ inductively coupled plasmas considering E-H (capacitive-to-inductive) transitions and optimization of power transfer using an impedance matching network (IMN). There were typographical errors regarding the power reflection coefficient $\Gamma$ described in the *Introduction*. The reflection coefficient $\Gamma_R$ in Eq. (1) of Ref. 1,

$$\Gamma_R = \frac{Z_L - Z_0}{Z_L + Z_0}, \tag{1}$$

is the *electric field reflection coefficient* and not the power refection coefficient as cited in the paper. The power reflection coefficient $\Gamma$ comes from the magnitude of $\Gamma_R$,

$$\Gamma = |\Gamma_R|^2. \tag{2}$$

This coefficient is used later in the paper to characterize the matching efficiency. Therefore, in Eq. (8) of Ref. 1, $\Gamma$ should be

$$\Gamma = \left|\frac{Z_M - Z_0}{Z_M + Z_0}\right|^2, \tag{3}$$

where $Z_M$ is the input impedance to the IMN. Correcting these typographical errors has no impact on the results or the conclusions presented in the paper.

## REFERENCES

[1]C. Qu, S. J. Lanham, S. C. Shannon, S. K. Nam, and M. J. Kushner, J. Appl. Phys. **127**, 133302 (2020).