Correction to: Novel L-R modulation resonant converter with wide output range and low output voltage ripple

Yisheng Yuan¹ · Chenyu Yi¹ · Neng Peng¹

Published online: 3 December 2021
 © The Korean Institute of Power Electronics 2021

Correction to:
Journal of Power Electronics (2021) 21:1757–1768
<https://doi.org/10.1007/s43236-021-00323-8>

Due to an unfortunate oversight the equation 10, 11, 12, 15, 17 and 25 have been given erroneously. They should read:

$$u_{Cp}(t) = u_{Cp}(t_1) - \frac{I_{Lf}}{C_p}(t - t_1) \quad (10)$$

$$I_{in} = 2f_s \int_{t_0}^{t_2} i_{Lr}(t)dt = \frac{2U_o^2}{R_o U_i} \quad (11)$$

$$I_o/n = 2f_s \int_{t_1}^{t_2} i_{Lr}(t)dt = \frac{U_o}{nR_o} \quad (12)$$

$$nI_o = nI_{Lf} = i_{Cr_ave} = 2f_s \int_{t_0}^{t_1} i_{Cr}(t)dt \quad (15)$$

$$\Delta u_{Cr} = \frac{1}{2C_r} \int_{t_0}^{t_1} i_{Lr}(t)dt = \frac{I'_{Lf} \pi z_e}{4w_n} \quad (17)$$

$$L_m \leq \frac{D_d T_s^2}{16C_{oss}} \quad (25)$$

The original article has been corrected.

The original article can be found online at <https://doi.org/10.1007/s43236-021-00323-8>.

✉ Chenyu Yi
 yichenyu0218@foxmail.com

¹ School of Electrical and Automation Engineering, East China Jiaotong University, Nanchang, China