

# Erratum

## Erratum to “A Pulsed Current Inductive Method and Its Applications for Continuous Measurement of the Critical Current of Long Superconducting Tapes”

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In the above article [1], Table II is changed into

TABLE II  
POLYNOMIAL FITTING PARAMETERS FOR  $k(n)$

tape $w$	$a_2$	$a_1$	$a_0$	error
4 mm	$1.337 \times 10^{-4}$	$-1.125 \times 10^{-2}$	1.309	<0.2%
10 mm	$1.238 \times 10^{-4}$	$-1.041 \times 10^{-2}$	1.281	<0.2%

Fig. 6 is changed into

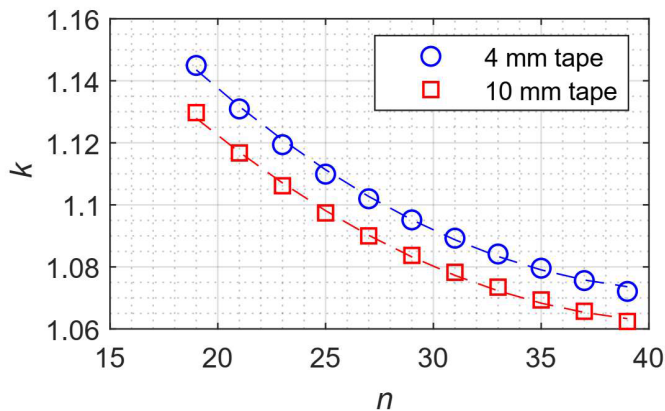


Fig. 6. Geometrical factor  $k$  in (10) as functions of  $n$ , given for 4- and 10-mm tapes, respectively. The dashed lines are parabolic fittings to the calculated points, with a relative deviation less than 0.2%.

Equation 12 is changed into

$$\frac{\Delta I_c}{I_c} = \left[ \frac{1}{k} \frac{\partial k}{\partial n} + \frac{1}{n^2} \ln \frac{\mu_0 dI/dt}{E_c} \right] \Delta n.$$

And in page 7, “Taking a typical pulse with a 700-A peak and a 5-ms duration as an example, the relative error  $\Delta I_c/I_c$  is less than  $\Delta n\%$  over a wide range of  $n$  from 19 to 37 and less than  $0.3\Delta n\%$  for  $n$  in the range of 25–35 for both 4- and 10-mm tapes.” is changed into “Taking a typical pulse with a 700-A peak and a 5-ms duration as an example, the relative error  $\Delta I_c/I_c$  is less than  $1.6\Delta n\%$  over a wide range of  $n$  from 19 to 37 and less than  $\Delta n\%$  for  $n$  in the range of 25–35 for both 4- and 10-mm tapes.”

### REFERENCES

- [1] Y. Chen, Z. Jin, and X.-F. Li, “A pulsed current inductive method and its applications for continuous measurement of the critical current of long superconducting tapes,” *IEEE Trans. Instrum. Meas.*, vol. 71, pp. 1–10, 2022.

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