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Author Correction: New mathematical model based on geometric algebra for physical power flow in theoretical two-dimensional multi-phase power circuits

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Correction to: Scientific Reports https://doi.org/10.1038/s41598-023-28052-x, published online 20 January 2023

The original version of this Article contained an error in the Applications and examples section, where an example description was placed incorrectly under the subheading 'Three-phase and three-wire balanced load and symmetric voltage supply.'

As a result, the following description was now placed under the correct subheading 'Three-phase and three-wire unbalanced resistor load and symmetric voltage supply.'

"One may wonder how these channels may be formed since no current is flowing through line *b*. The explanation is simple. Although no current flows through *b*, the voltage of phase *b* is not null and therefore it affects the electric field e_1 and e_2 , and hence the PV of the channels α_1 and α_2 . Interestingly enough, line *b* is some kind of "electrical wall"."

The original Article has been corrected.

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