

Corrections to “Particle-In-Cell Simulations of Ion Beam Properties Produced From a Planar Pinched-Beam Diode”

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IN THE above article [1], color bar range shown in Figs. 7 and 8 within Section III needs to be corrected. The replacement figures with the corrected range are shown as revised Figs. 7 and 8.

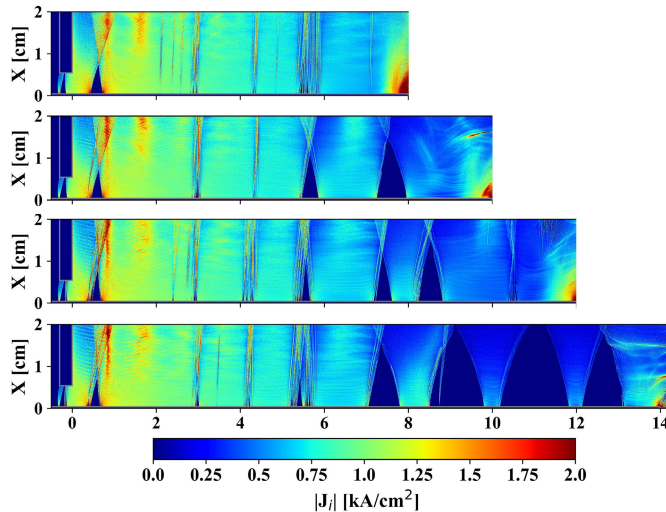


Fig. 7. We show the ion current density for 3200- μm -thick anodes with lengths of 8, 10, 12, and 14 cm at 50 ns to illustrate spotty ion emission.

In addition, there are two typographical errors associated with Fig. 11 in Section IV. The figure is correct, but the wording

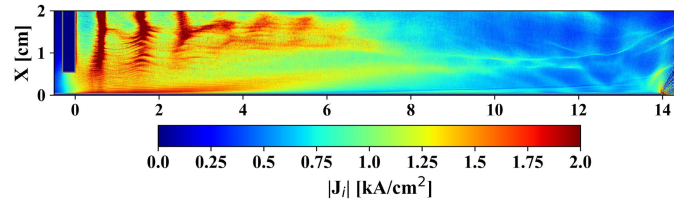


Fig. 8. We show the ion current density for a 14-cm-long, 100- μm -thick anode at 50 ns to illustrate that spotty ion emission does not occur for thin anodes.

associated with the lengths of the different anodes needs to match the figure. In the first sentence on the second paragraph in the right-hand column of Section IV, it should read, “Fig. 11 shows the ion fluence for 100- and 3200- μm -thick anodes with lengths of 4 (blue), 8 (orange), 12 (green), and 16 cm (red).” The caption for Fig. 11 has the same error and should be corrected accordingly.

REFERENCES

- [1] J. C. Foster, J. W. McClory, S. B. Swanekamp, and P. F. Ottinger, “Particle-in-cell simulations of ion beam properties produced from a planar pinched-beam diode,” *IEEE Trans. Plasma Sci.*, vol. 51, no. 1, pp. 90–103, Jan. 2023.

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Color versions of one or more figures in this article are available at <https://doi.org/10.1109/TPS.2023.3303072>.

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