**Erratum: Space charge dynamics of bright electron beams
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Based on unsuccessful searches of related topics on the Web, in the library, and by contacting colleagues, we believed in our paper that our development of a self-consistent longitudinal equation, the ansatz in Eq. (8) of our paper, and the coupled envelope equations, Eqs. (14) and (28), were a new result. This is not true.

The self-consistent longitudinal parabolic distribution was first proposed by Neuffer [1]. Coupled envelope equations have been developed and analyzed by Reiser [2]. We apologize for this shortcoming and want to quote the pertinent pathbreaking original work of Neuffer and Reiser.

- [1] David Neuffer, IEEE Trans. Nucl. Sci. **26**, 3031 (1979).
- [2] Martin Reiser, *Theory and Design of Charged Particle Beams* (J. Wiley and Sons, New York, 1994), particularly Chap. 5 and Eqs. (5.494) and (5.495).