

**Erratum: Carbon Nanotube Mats and Fibers with Irradiation-Improved
Mechanical Characteristics: A Theoretical Model
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J. A. Åström,¹ A. V. Krasheninnikov,² and K. Nordlund²

¹*Centre for Scientific Computing, P.O. Box 405, FIN-02101, Esbo, Finland*

²*Accelerator Laboratory, University of Helsinki, P.O. Box 43, FIN-00014, Finland*

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In the paragraph preceding the conclusions we gave an example of how irradiation-induced changes in the parameters of our model result in a substantial increase in the stiffness of carbon nanotube mats, but we referred to the wrong parameter set in Table I. Although irradiation should increase the Young's modulus of the bundles as intertube links give rise to the redistribution of the mechanical load carrying from the tubes at the perimeter of the bundle to the inner tubes, the Young's modulus of the bundle cannot naturally exceed that of individual tubes. A better example would be the limit when $\langle n \rangle \rightarrow L/w$ in Eq. (3) in which case after irradiation $E_m \sim E \sim 10^2$ GPa.

The bad choice of the example does not affect any of the conclusions of our Letter.