

Abstract Submitted
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Charge Carriers in Boron Nitride Nanotubes Appear to confirm Quantum Capillary Action RICHARD KRISKE, University of Minnesota — A recent article in *Physics Today* confirmed a previous Theory put forward by this author in that electrons and perhaps other fundamental particles should find the easiest transmission path to be in the center of nanotubes not on the walls. Of course this is somewhat astonishing in that the center of the tube has nothing in it. This author had previously suggested that this might ultimately give a quantum mechanical explanation for capillary action. In any case a model could now be confirmed that this author previously put forward to show that in many cases the flow of particles should occur in the centers of nanotubes not on the walls and this would allow the exploration of the use of nanotubes as reaction devices, and transport devices with a general theory to show how molecules as well as elementary particles could be transported down the centers of these tubes and reacted in the tubes or in chambers attached to the tubes. This would also explain some vexing biological problems involving tubes and capillary action.

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