

Abstract Submitted  
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**Can a re do of field theory numerically speaking help in I - E CDW curve data analysis?** ANDREW BECKWITH — Density wave physics has a plethora of current versus electrical field data from experimental measurements. The author presented in his PhD dissertation a way of giving a false vacuum interpretation of how current can be measured against the magnitude of an applied electric field in laboratory conditions. This article purports to re examine the feasibility of such modeling taking into account Dr. Fred Cooper's work on a time averaging scheme for  $\phi$  to the fourth power field theory as could be applied to modified wash board potentials.

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