

Abstract Submitted  
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**Landau Quantization of a 2D Antidot Lattice** N.J.M. HORING,  
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eigen-energy dispersion relation for a two dimensional sheet of electrons in a one  
dimensional periodic lattice of quantum antidot potential barriers, with a perpen-  
dicular quantizing magnetic field. This system is in the nature of a Krönig-Penney  
model with a high magnetic field present and we construct the appropriate Green's  
function which we use to formulate the dispersion relation for the energy spectrum.

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