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**Mathematical  
Physics**

# The Clifford Algebra approach to Quantum Mechanics

# A: The Schroedinger and Pauli Particles

B.J.Hiley,

R.E.Callaghan

*(Submitted on 17  
Nov 2010)*

In this  
paper  
we show  
how all  
the  
quantum  
properties  
of  
Schroedinger  
and  
Pauli  
particles  
can be  
described  
entirely  
from  
within a  
Clifford