

E1-28 Quantum mechanics in a $D+1$ dimensional universe

A C Wimal Lalith de Alwis

Dept of Mathematics, University of Colombo, Colombo 3

Higher dimensions play an important role in modern theoretical physics.

Here we formulate quantum mechanics in $D+1$ dimensional space-time and supersymmetric quantum mechanics in a D dimensional space. We analyse some special classes of potentials in the context of such a universe of D - spatial dimensions and one time dimension.