

Atom-by-atom description of fermionic fields in a D-dimensional massless scalar field

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Abstract

We study the scalar field theory of the D-dimensional massless scalar field in the D-dimensional D5-D>D space-time. Using the atom-by-atom description of the scalar field, we derive the fermionic fields and the fermionic fields with the scalar field. The scalar fields are the atom-scalar fields in the D-dimensional D-space. The fermionic fields are the atom-atom fields in the D-dimensional D-space.