Institut Henri Poincaré

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String Theory in Greater Paris

Rencontres Théoriciennes

"Supergravité, théorie des cordes et théorie M"

Jeudi 18 Fevrier 2016, 11:45

Jose' Figueroa-O'farrill

University of Edinburgh

Algebraic structure of Killing superalgebras and its applications

A supersymmetric supergravity backgrounds has an associated Lie superalgebra generated by the Killing spinors : the Killing superalgebra, which is a useful invariant of the supergravity background. I will describe the algebraic structure of such Killing superalgebras and two immediate applications of this fact : 1) the classification of supersymmetric supergravity backgrounds and 2) the determination of geometries admitting rigidly supersymmetric field theories. This is joint work with Paul de Medeiros and Andrea Santi.

Institut Henri Poincaré, salle 314, 3ème étage

Retrouvez les activités de la communauté parisienne de théorie des cordes sur
`http ://string.lpthe.jussieu.fr`
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