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SEMINARIO DEL DEPARTAMENTO DE MATEMÁTICA Y FÍSICA APLICADAS
FACULTAD DE INGENIERÍA

“On geometric roots of AdS/CFT: the case of odd-dimensional Q -curvature”

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Abstract:

The aim of this talk is to unveil the presence of a geometrical construct, known as Q -curvature, in certain holographic computations within AdS/CFT correspondence. Although the role of even-dimensional Q -curvatures in holographic renormalization has been known since the early days of the conjecture, little is known about their odd-dimensional cousins. We reexamine several holographic computations, of renormalized actions and entanglement entropy, to illustrate the presence of the three-dimensional Q -curvature.

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