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Integrability in Large N super Yang-Mills Theory

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Abstract content
 (Max 300 words)
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Special chars

In this talk we argue that certain large N but non-planar limits of maximally supersymmetric Yang-Mills Theory enjoy integrability. By employing constraints that follow from the superconformal algebra, we are able to argue that integrability persists to all loops, that is, to all orders in the Yang-Mills coupling constant. The consequences of this result for the dual gravitational theory are described.

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No

Level for award
 (Hons, MSc,
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None

Main supervisor (name and email)
and his / her institution

Robert de Mello Koch, robert@neo.phys.wits.ac.za, University of the Wiwatersrand

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Primary author: Prof. DE MELLO KOCH, Robert (University of the Witwatersrand)

Presenter: Prof. DE MELLO KOCH, Robert (University of the Witwatersrand)

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