

## K. Becker: "Torsional heterotic geometries"

*Tuesday 22 July 2008 14:00 (30 minutes)*

We construct some new examples of torsional heterotic backgrounds using duality with orientifold flux compactifications. We then explain how duality provides a solution to the heterotic string Bianchi identity which is an equation of Monge-Ampere type. Finally, we propose the existence of a much larger class of compact torsional geometries based on intuition from string duality.

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**Track Classification:** W1