



Σεμινάριο Γεωμετρίας

On topology change in Poisson-Lie T-duality

Αλεξάνδρος Αρβανιτάκης
Vrije Universiteit Brussel

Περίληψη

I will be discussing my recent work [2110.08179] with Chris Blair and Dan Thompson on topology change in Poisson-Lie T-duality with spectators (i.e. where the dualisable dimensions are fibred over a ‘spectator’ base). We can exhibit for instance a duality between a trivial bundle with abelian isometries and a non-trivial *bibundle* with a nonabelian Poisson-Lie group action. This will be done in the language of QP manifolds/symplectic L-infinity algebroids which is convenient for showing the duality is a canonical transformation in string phase space, and also provides glimpses of a generalisation towards U-duality and higher branes.

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Π. Μπατακίδης, (+30) 2310-997965, batakidis@math.auth.gr
Πληροφορίες: Φ. Πεταλίδου, (+30) 2310-998104, petalido@math.auth.gr
[Σύνδεσμος ομιλίας](#), Meeting ID: 949 3311 7785, Password: 093582