

Seminario de Geometría y Topología



Multisymplectic Geometry and Classical Field Theory

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Resumen:

We give a brief overview of the conceptual challenges that have to be overcome in order to arrive at a definition of multisymplectic (as well as polysymplectic) structures which allows these to play a role in the covariant hamiltonian formulation of classical field theories that is analogous to the (by now well known) role that symplectic geometry plays in classical mechanics.

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