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Moser's theorem

Canonical name MosersTheorem

Date of creation 2013-03-22 13:18:08 Last modified on 2013-03-22 13:18:08

Owner bwebste (988) Last modified by bwebste (988)

Numerical id 6

Author bwebste (988) Entry type Theorem Classification msc 53D05 Let ω_0 and ω_1 be symplectic structures on a compact manifold M. If there is a path in the space of symplectic structures of a fixed DeRham cohomology class connecting ω_0 and ω_1 (in particular ω_0 and ω_1 must have the same class), then (M, ω_0) and (M, ω_1) are symplectomorphic, by a symplectomorphism isotopic to the identity.