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Tamed symplectic structures on compact solvmanifolds of completely solvable type

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Abstract. A compact solvmanifold of completely solvable type, *i.e.* a compact quotient of a completely solvable Lie group by a lattice, has a Kähler structure if and only if it is a complex torus. We show that a compact solvmanifold M of completely solvable type endowed with an invariant complex structure J admits a symplectic form taming J if and only if M is a complex torus. This result generalizes the one obtained in [7] for nilmanifolds.

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