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**On codimension one nilfoliations and a theorem of Malcev.**

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Nilfoliations are foliations defined by locally free actions of nilpotent Lie groups on compact manifolds. The aim of this paper is to generalize for nilfoliations of codimension one the following results: (1) Any nilmanifold is diffeomorphic to the product of a compact nilmanifold with a Euclidean space; (2) manifolds foliated by actions of  $\mathbf{R}^n$  are trivial cobordisms or fiber over  $S^1$ .

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