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Periodic solutions to Lagrangian system

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Abstract: A classical mechanics Lagrangian system with even Lagrangian is considered. The configuration space is a cylinder $\mathbb{R}^m \times \mathbb{T}^n$. A large class of nonhomotopic periodic solutions has been found.

Keywords: Lagrangian system; periodic solution

AMS Subject Classification: 34C25, 70F20

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