

Standard and non-standard Lagrangians for dissipative dynamical systems with variable coefficients

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Corrigendum

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The statement on page 11, ‘A comparison of this Lagrangian to that given by Carinena *et al* [37] shows that their Lagrangian is incorrect (see their equation (2))’ should be amended. The author thanks J F Carinena, M F Ranada and M Santander (2008) for bringing to his attention the fact that the Lagrangian given by Carinena *et al* [37] is correct and that it is related to the one derived in the paper (see equation (59)) by $\alpha^2/2\lambda$, where α and λ are constants; this shows that the Lagrangian given in the paper has a singularity when $\lambda \rightarrow 0$. The correction has no effect on the results presented in the paper.

References

- [37] J F Carinena, M F Ranada, M Santander and M Senthilvelan 2004 arXiv:math-ph/0406002v1
J F Carinena, M F Ranada and M Santander 2008 private communication