

16MSPA101 — ADVANCED CLASSICAL MECHANICS

LAGRANGE'S EQUATIONS

V.H. BELVADI\*

*St Philomena's College*

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THE PROPER FOUNDATION for analytical mechanics begins with Lagrange's equations.

*References*

- [1] Lanczos, Cornelius, *The Variational Principles of Mechanics*, University of Toronto Press, 1949.
- [2] Goldstein, H., Poole, C., Safko, J., *Classical mechanics*, 3rd edition, Addison Wesley, 2000.
- [3] Ivlev, A.V., Bartnick, J., Heinen, C. et al., *Statistical Mechanics where Newton's Third Law is Broken*, Phys. Rev. X 5, 011035, 26 March 2015.

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\*[vh@belvadi.com](mailto:vh@belvadi.com)