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**Differential manifolds applied to theoretical mechanics**<sup>1</sup> KARLA DE LOS SANTOS, MERCEDES VELZQUEZ, Benemrita Universidad Autnoma de Puebla — The study and development in areas like topology and differential geometry brought a practical physics approach based on differentiable manifolds; with this formalism, different physics areas were reformulated, such as theoretical mechanics, thermodynamics, general relativity, and others. The present work is a review of the use of differential manifolds in the study of theoretical mechanics.

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