

Examples of the Dirac Theory of Constraints for Dirac Manifolds and Further Generalizations

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Abstract

In this lecture I will develop two examples of the Dirac algorithm for Dirac manifolds. First, I will show how to deal with L-C circuits. Second, I will show how to deal with nonholonomic systems. Finally, I will briefly talk about further generalizations, showing how to deal with a wide class of Implicit Differential Equations.