

A tentative to understand Jordan and Einstein frames by the Hamiltonian analysis

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We will briefly summarize some recent results obtained in the Hamiltonian formalism for the Brans-Dicke theory. We will show that these results can be used to address equivalence (if any...) between Jordan and Einstein Frames. Although we will show that there is a mathematical equivalence between these two frames, a pair of examples points out that the two frames do not look to be physically equivalent.

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