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Universidad del País Vasco
Euskal Herriko Unibertsitatea
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Seminarios de Física Teórica
Fisika Teorikoa: Hitzaldiak

An alternative to Bogomolnyi Method

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Abstract We develop an alternative formalism for obtaining Bogomolnyi equations directly from the corresponding Euler-Lagrange equations without having to appeal to the Hamiltonian. This method, dubbed the on-shell method, is suitable for deriving the BPS equations and constraining the allowed potentials of noncanonical topological solitons. We discuss its applications on ordinary and Born-Infeld domain walls and vortices.

Seminar Room, Dept. of Theoretical Physics, Corridor 4.-2.
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Time:**11:40 am**