

Domain wall networks and their cosmological signatures

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Several unified models that embed the SM elegantly have the possibility of domain wall formation according to Kibble mechanism. In models based on supersymmetric and non-supersymmetric left-right symmetric models, we discuss the emergence of such walls in the early universe and their signature in gravitational waves and the links to leptogenesis and EDM searches.

References :

<https://inspirehep.net/literature/2613355>

Left-right symmetry breaking and gravitational waves: A tale of two phase transitions

<https://inspirehep.net/literature/2638642>

Gravitational wave signature of generic disappearance of Z_2 -symmetry breaking domain walls

<https://inspirehep.net/literature/1835770>

Domain walls and CP violation with left right supersymmetry: implications for leptogenesis and electron EDM

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