

The 2nd Workshop on Grand Unified Theories: Phenomenology and Cosmology (GUTPC 2025)

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Non-Abelian Domain Walls

Monday, 21 April 2025 09:00 (30 minutes)

Domain wall is one of the topological defects that can be generated during phase transitions. When a non-abelian discrete symmetry is broken, different types of domain walls can be created. Starting from a real scalar model with S_4 symmetry, we study the properties of different types of domain walls and then extend the analysis to models with A_4 symmetry as well as complex scalar models.

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