

gauge theories and modern pdf

In physics, a gauge theory is a type of field theory in which the Lagrangian is invariant under certain Lie groups of local transformations.. The term gauge refers to any specific mathematical formalism to regulate redundant degrees of freedom in the Lagrangian. The transformations between possible gauges, called gauge transformations, form a Lie groupâ€”referred to as the symmetry group or ...

Gauge theory - Wikipedia

A gauge theory is a type of theory in physics. The word gauge means a measurement, a thickness, an in-between distance, (as in railroad tracks) or a resulting number of units per certain parameter (a number of loops in an inch of fabric or a number of lead balls in a pound of ammunition). Modern theories describe physical forces in terms of fields, e.g., the electromagnetic field, the ...

Introduction to gauge theory - Wikipedia

FUNDAMENTAL UNSOLVED PROBLEMS IN PHYSICS AND ASTROPHYSICS Paul S. Wesson
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