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Fields associated to conical singularities in integrable QFT

Conical curvature singularities are geometric objects which can be associated to quantum fields. These have recently been identified with a new type of twist field, by extending the twist concept, usually associated with internal symmetries, to rotation transformations. I will describe the properties of these fields in two-dimensional integrable QFT and in CFT, including their OPEs and their form factor expansion. They have applications in the context of Wilson loops in supersymmetric Yang-Mills theory. They are related to - but different from - twist fields associated to branch points used to describe Riemann surfaces and calculate entanglement entropy.