

Bologna Workshop on:

CFT AND INTEGRABLE MODELS



and their applications from gauge/gravity dualities to statistical mechanics and quantum information

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Q-operators for Open Quantum Spin Chains

Tuesday, 5 September 2023 10:20 (30 minutes)

I will describe recent progress in the understanding and construction of Q-operators for open quantum spin chains. The construction exploits the the universal K-matrix picture of Appel and Vlaar. The resulting open Q-operator and the functional relations it obeys follow by pure representation theory; this opens the route to broad generalisation.

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