

Coactions of anomalous dimensions from integrability

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Résumé

Results in Quantum Field Theories, such as anomalous dimensions or scattering amplitudes are known to exhibit rich properties under the Galois coaction that acts on period integrals. I will show how these phenomena arise directly from an integrability setup describing the anomalous dimensions in the Fishnet Model. I will also discuss a conjectural all-loop differential equation containing derivatives with respect to Riemann zeta values.