Séminaire commun

Coactions of anomalous dimensions from integrability

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LPENS – E244 (24 Rue Lhomond)

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.