Quantum Field Theory on a Highly Symmetric Lattice

Marco Aliberti

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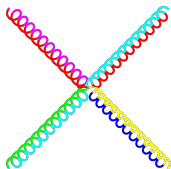
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Why Lattice Quantum Chromodynamics?

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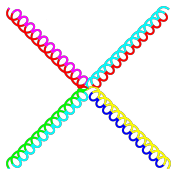
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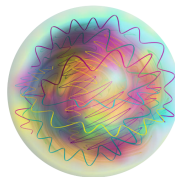In quantum field theory scattering amplitudes in the form

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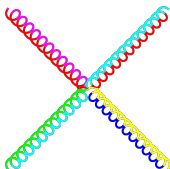need to be evaluated. There are two possible approaches:
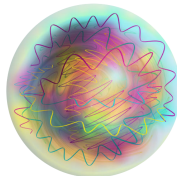
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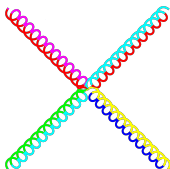
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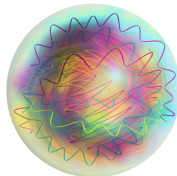
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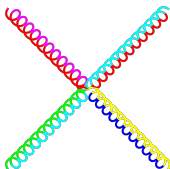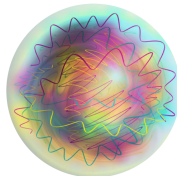# Perturbative vs Non-Perturbative

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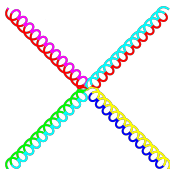
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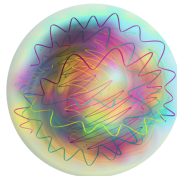
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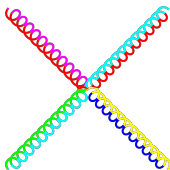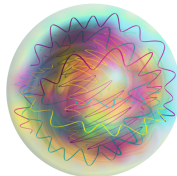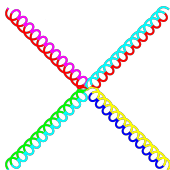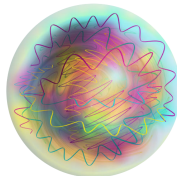- Fails predicting quantities with essential singularities as $g \to 0$

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