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Confinement in Non-Lagrangian 4d N=1 Theories

Wednesday, 25 August 2021 14:00 (30 minutes)

I will describe a method for computing confinement in $4d$ $\mathcal{N} = 1$ theories that can be obtained by deforming $4d$ $\mathcal{N} = 2$ of Class S. Such theories generically do not admit a conventional Lagrangian description. The confinement for this class of $4d$ $\mathcal{N} = 1$ theories can be captured in topological properties of a complex curve, known as $\mathcal{N} = 1$ curve, which can be understood as the spectral curve associated to a generalized Hitchin system.

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