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Meromorphic connections and quivers

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In this talk I will review recent developments on the relationship between meromorphic connections on the Riemann sphere and quivers. Such relationship was first found by Crawley-Boevey in the case of logarithmic connections. He used it to solve the additive Deligne-Simpson problem, a sort of existence problem on logarithmic connections. I will explain the generalization of Crawley-Boevey's result conjectured by Boalch and solved affirmatively by Hiroe and myself, and touch on related topics.

Summary

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