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ODE/IM correspondence: Wall-crossing of TBA equations

Wednesday, 6 September 2023 11:10 (50 minutes)

We review the ODE/IM correspondence for higher-order ODEs associated with affine Toda field equations. We focus on the exact WKB periods and the TBA equations for higher-order ODEs and their wall-crossing phenomena, which describe a rich structure of the ODE/IM correspondence. We also discuss its supersymmetric extension and application to quantum mechanics with effective potential.

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