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## The extended Ablowitz-Ladik hierarchy and a generalized Frobenius manifold

Wednesday, June 5, 2024 11:50 AM (50 minutes)

We define a certain extension of the Ablowitz-Ladik hierarchy, and show that it possesses a tau structure and Virasoro symmetries. We prove that this integrable hierarchy coincides with the topological deformation of the Principal Hierarchy of a generalized Frobenius manifold with non-flat unity.

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