

Higher-spin gravity in two dimensions

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A non-abelian higher-spin theory in two dimensions is proposed, describing an infinite multiplet of massive scalar fields, with fine-tuned masses, interacting with infinitely many topological gauge fields together with their dilaton-like partners. The corresponding action functional is of BF-type and generalizes the known higher-spin extension of Jackiw-Teitelboim gravity. Finally, we discuss the holographic CFT1 duals of the kinematical structures identified in the AdS2 bulk.

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