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Baby Skyrmions in AdS

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Studies in holographic contexts, such as holographic QCD and holographic superconductors, have motivated the investigation of solitons in AdS and AdS-like spacetimes. In this talk we will investigate the baby Skyrme model in a pure AdS background without a pion mass term, and numerically find soliton and multi-soliton solutions. We find that ring-like structures appear to be energetically favourable, and we construct a point-particle approximation to predict the energy-minimising configurations at higher topological charges.

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