

Abstract Submitted
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Density Matrix Renormalization Group study of rapidly-rotating two-dimensional bosons¹ DMITRY KOVRIZHIN, Theoretical Physics, Oxford University, 1 Keble road, Oxford, OX1 3NP, United Kingdom — We study a system of two-dimensional bosons with contact interactions in a rapidly-rotating anisotropic trap. The ground state phase diagram and the excitation spectra are investigated using the Density Matrix Renormalization group (DMRG) and the exact diagonalization methods.

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