



Spatial Quantum Optical Annealer for Spin Hamiltonians

$$H = -\sum_{ij} J_{ij} \sigma_i \sigma_j$$
A purple hand-drawn scribble or signature below the equation.

HEISINGBERG

aims to develop a novel photonic Ising machine operating at room temperature, leveraging newly established nonlinear photonics principles for the efficient solution of NP-hard problems. HEISINGBERG proposes an alternative approach to existing photonic simulators exploiting the mature technology of spatial light modulation.

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THE PROJECT



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