Rydberg Atoms in a Strong Magnetic Field: A Numerical Experiment

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Abstract

Rydberg atoms in strong magnetic fields are of current experimental interest.[1, 2] Such systems are commonly treated classically and often are cited as excellent laboratories in which to investigate the correspondence between classical and quantum mechanics. In this contribution we report on the results of numerical experiments investigating the classical dynamics in the regime of current interest. We propose a simple kicked atomic system as a model system for future investigation.

References

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