

Annular billiard dynamics in a circularly polarized strong laser field



Bourse
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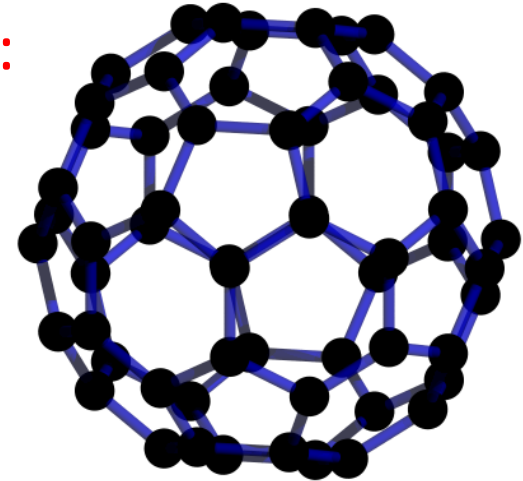
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Motivation:

Experimental ionization and fragmentation of Fullerene are available.

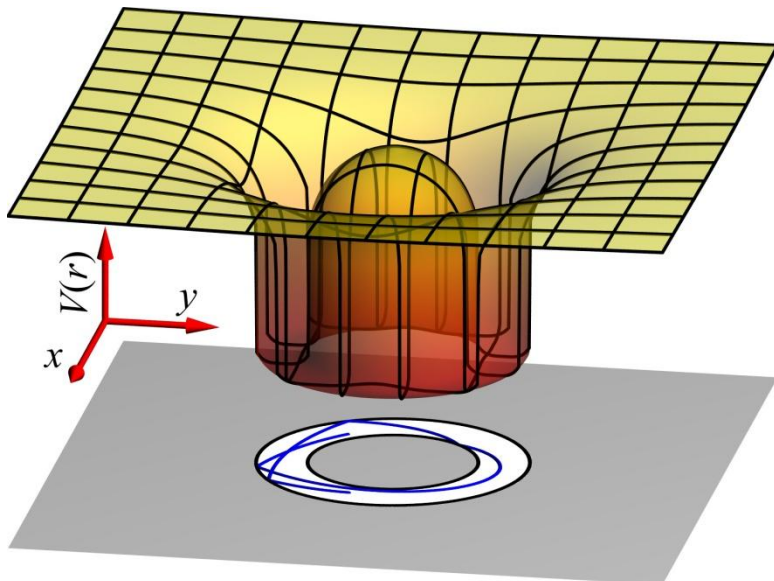
Goals:

- Model valence electron of Fullerene subjected to circularly polarized laser field.
- Study dynamics by identifying invariant structures responsible for characteristic traits of trajectories.

Fullerene:

Billiard region

(stiff walls \rightarrow infinite walls)

Fullerene Potential

Billiard
approximation

