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## **A quantum model of a time-travelling billiard ball**

*Thursday 15 December 2022 18:45 (15 minutes)*

Indeterministic dynamics arise in the context of interacting systems near closed timelike curves. I will discuss a relevant scenario, the “billiard-ball paradox”, and will provide solutions to a quantum formulation of the problem, showing in particular how indeterminism is resolved.

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