

Sleeping Beauty in Flatland

Franceschi, Paul (2004) Sleeping Beauty in Flatland.

There is a more recent version of this eprint available. [Click here to view it.](#)

Full text available as:

[PDF](#) - Requires a viewer, such as [Adobe Acrobat Reader](#) or other PDF viewer.

Abstract

I describe in this paper a solution to the Sleeping Beauty problem. I begin with the consensual emerald case and I also discuss Bostrom's Incubator gedanken. I address then the Sleeping Beauty problem. I argue that the root cause of the flaw in the argument for 1/3 is an erroneous assimilation with a repeated experiment. Lastly, I present an informative variant of the original Sleeping Beauty experiment that casts light on the diagnosis of the fallacy in the argument for 1/3.

Keywords: Sleeping Beauty problem, probability theory, paradox, Nelson Goodman

Subjects: [Specific Sciences: Probability/Statistics](#)

ID Code: 1580

Deposited By: [Franceschi, Paul](#)

Deposited On: 20 January 2004

Available Versions of this Item

- [Sleeping Beauty in Flatland \(deposited 22 August 2003\)](#)
 - Sleeping Beauty in Flatland (deposited 20 January 2004) [**Currently Displayed**]
 - [Sleeping Beauty and the Problem of World Reduction \(deposited 22 January 2005\)](#)
 - [Sleeping Beauty and the Problem of World Reduction \(deposited 20 December 2005\)](#)