

1167-60-65

**Sonia Mazzucchi\*** ([sonia.mazzucchi@unitn.it](mailto:sonia.mazzucchi@unitn.it)), Math Department, University of Trento,  
Trento, Italy. *Some open problems in the mathematical theory of Feynman path  
integrals*. Preliminary report.

Since their first introduction in Feynman's seminal paper, Feynman path integrals are a powerful tool in theoretical physics on the one hand, and a source of mathematical challenges on the other hand. In this talk I shall review some classical and new results highlighting some intriguing problems that are still open. (Received February 15, 2021)