



Universidad  
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## Theoretical Physics Seminar Series

# Finite parts of inflationary loops

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**Abstract:** The objective of this talk is to present a systematic approach for calculating loop corrections, including finite contributions, to the power spectrum in a cosmological setting. Particular emphasis will be placed on the renormalization procedure, comparing the results obtained using different regularization methods. As an application, this method will be applied to a clear and straightforward case: the computation of the one-loop power spectrum for tensor modes generated by slow-roll inflationary dynamics.

**Prof. A. Chamorro Seminar Room, Theoretical Physics Seminar Room**

**Wednesday, Nov. 20th, 2024**

**Time: 11:40 am**