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# BERN-FRIBOURG GRADUATE SEMINAR

a seminar for Master and PhD students

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Thursday 24<sup>th</sup> March, 2022: 17:15 - 18:00

Room B7, Exakte Wissenschaften, Bern

FRANCESCA TRIPALDI

University of Bern

## An overview of spectral sequences

### **Abstract**

In algebraic topology, a spectral sequence is a tool for computing (co)homology groups by taking successive approximations. In this talk we will discuss the theory behind this machinery and see some easy examples where spectral sequences are used to compute the cohomology of the underlying manifold.