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# BERN-FRIBOURG GRADUATE SEMINAR

a seminar for Master and PhD students

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Thursday 11<sup>th</sup> April, 2024: 17:15 - 18:00

Room 2.52, Perolles 08, Fribourg

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## A fragment of Abelian modal logic

### **Abstract**

In this talk, we consider Abelian logic, that is, the logic of abelian lattice-ordered groups. We focus on a modal idempotent semiring fragment of Abelian modal logic and present its axiomatization, which generates a variety. We go through parts of the completeness proof for said variety, in particular by introducing a hypersequent calculus for this logic. No prior knowledge of logic is required to follow this talk; every concept in this abstract will be explained.