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# BERN-FRIBOURG GRADUATE SEMINAR

a seminar for Master and PhD students

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Thursday 21<sup>st</sup> May, 2026: 17:15 - 17:30

Room B5, Exakte Wissenschaften, Bern

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## Systolic inequalities on 2-dimensional metric tori

### **Abstract**

A systolic inequality relates the volume of a space with its systole, the shortest length of a non-contractible curve. Loewner proved the optimal systolic inequality of 2-dimensional Riemannian tori, and more recently, others have considered tori with a Finsler metric. In this mini-talk, I will discuss work in progress on a systolic inequality on tori with an arbitrary metric.