

# Seminar of Probability and Stochastic Process

Tuesday, 28th June, from 11h15 to 12h15

[MAA 330](#), EPFL, Ecublens

**[Dr. David Belius](#)**

**ETH Zürich**

## Cover times in the discrete cylinder

### Abstract:

It is expected that the fluctuations of the cover times of many families of graphs converge to the Gumbel extreme value distribution. However this has been proven in only a few cases and remains open for e.g. the discrete torus in dimensions three and higher. In my talk I will present a recent result that proves Gumbel fluctuations in a different but closely related setting (namely the discrete cylinder), using the theory of random interacements as a tool.

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