

## **A self-organised method for determining the critical value of percolation-like processes on (multiplex) networks**

*Wednesday, 25 September 2019 11:00 (25 minutes)*

We illustrate a method for mapping critical processes (percolation, infection, infection in the presence of risk perception) onto self-organised processes, i.e., processes that automatically converges towards the critical threshold. This procedure can be carried on with infinite precision for “convex” systems (systems for which the probability of infection/percolation grows monotonically with control parameters), while for a generic process it may give results with fixed (but arbitrary) precision.

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