

Symbolic dynamics and topology.
A few ideas on reconstruction of dynamics from
finite time series

Paweł Dłotko¹

¹*Dioscuri Centre in Topological Data Analysis*

In this talk we will present an idea on how to combine Takens' embedding theorem with tools from Topological Data Analysis in order to obtain a reconstruction of dynamics. The result of the considered process is a filtered transition matrix that can be subsequently analyzed with a variety of methods.