



Statistical patterns of human mobility

Marc Barthélémy, Institut de Physique Théorique, CEA, Paris, Marc.Barthelemy@cea.fr.

The recent availability of new sources of data such as mobile phones, GPS, etc, allow to shed a new light on how individuals are moving in the city. These new sources of data allow to answer old and also new questions, and require the development of new tools for analyzing them. I will illustrate these different points by showing how we can extract mesoscale information from the origin-destination matrix obtained with mobile phone data. In a second example I will show how GPS data, together with multilayer networks, enable us to understand the statistics of displacements and the impact of transportation infrastructure on mobility.