



TECHNISCHE UNIVERSITÄT
CHEMNITZ

Institut für Physik Physikalisches Kolloquium



Mittwoch, 17.10.2018, um 16:00 Uhr

Ort: Reichenhainer Str. 90;
Zentrales Hörsaal- und Seminargebäude,
Raum 2/N013

Prof. Dr. Peter Grassberger

Forschungszentrum Jülich

Self-trapping self-repelling random walks

Abstract:

Every one knows that a drunkard on a flat ground makes a random walk.

Yes, but what happens if he gets constantly supply bottles, drops them when emptied, and doesn't want to step on the shards?

Or, posed differently, what is the walk of a stupid cow who doesn't want to step on her own sh***?

Or, posed differently again, what should a commander in battle do if she wants to send/collect information, but doesn't really know where her soldiers are?

A first answer was given by Amit, Parisi, and Peliti some 35 years ago, but I will show that things can be much more complicated, if one makes just a tiny modification in their model.



Alle Zuhörer sind ab 15:45 zu Kaffee und Tee vor dem Hörsaal eingeladen.

Informationen zum Vortrag erteilt:
Prof. Dr. Günter Radons, Tel. 0371 531 33205

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