

ATELIER «NOUVELLES AVENUES EN PROCESSUS SPATIAUX ALÉATOIRES»  
11–15 MAI 2009

WORKSHOP “NEW DIRECTIONS IN RANDOM SPATIAL PROCESSES”  
MAY 11–15, 2009

## Diffusive bounds for some self- interacting random walks

BALINT TOTH

Institute of Mathematics  
Budapest University of Technology  
Egry József u. 1  
H-1111 Budapest  
HUNGARY

balint@math.bme.hu

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I will consider a particular class of self-repelling random walks with long memory : the so-called 'myopic' (or 'true') self-avoiding walk. It is known that in 1-d this walk scales with  $2/3$ -power of time and it has been conjectured that in three or more dimensions it behaves diffusively. After a short historical survey I will present recent results regarding this latter conjecture.

*The talk will be based on work in progress, jointly done with Illes Horvath and Balint Veto.*