

EPEDPNL, Errachidia, 18-22 Avril 2011

Cours: "On the BCRE type models for the dynamics of granular materials"

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**Some references on granular matter dynamics
(sandpiles, sand dunes and optimal transport problems).**

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A few Web sites on the subject

- The Morphodynamics Lab, Laboratoire de Physique et Mécanique des Milieux Hétérogènes du CNRS in Paris (all the secrets of dunes):
<http://www.pmmh.espci.fr/~andreotti>
- web site of LAMFA at Amiens:
<http://www.lamfa.u-picardie.fr/dumont/web-sand>
- web site of the Caltech Granular Flow Group :
<http://www.its.caltech.edu/~granflow>
- Sand Website (geological site of the National Science Foundation, USA):
http://www.paccd.cc.ca.us/instadmn/phycidv/geol_dp/dndougla/SAND/SANDHP.htm
- Nasa web site (many Mars dunes pictures):
<http://mars.jpl.nasa.gov/gallery/sanddunes>
- A desert guide from the US Army:
http://www.tec.army.mil/research/products/desert_guide/lmsheet/lsdune.htm
- web site of P. Gremaud: <http://www4.ncsu.edu/~gremaud/granular.html>
- web site of H. Herrmann: <http://www.hans-herrmann.ethz.ch>
- web site of P. Hersen: <http://www.lps.ens.fr/~hersen>
- web site of H.M. Jaeger and his group in Chicago :
<http://jfi.uchicago.edu/~jaeger/group/granular.html>
- web site of S. Luding: <http://www2.msm.ctw.utwente.nl/sluding>
- web site of L. Prigozhin : <http://www.cs.bgu.ac.il/~leonid/>
- web site of F. Radjai: www.lmgc.univ-montp2.fr/~radjai/
- web site of D. Schaeffer : <http://www.math.duke.edu/~dgs/>
- Some curiosities :
 - A web game (create your table with obstacles and sources, and look) :
<http://www.fallingsandgame.com/sand>
 - Links for sand collectors :
<http://www.microscope-microscope.org/applications/sand/sand-links.htm>