



SCUOLA
NORMALE
SUPERIORE
PISA

SEMINARIO DI SISTEMI DINAMICI

venerdì 12 giugno 2009
ore 14.00

Scuola Normale Superiore
Pisa
(Aula Bianchi)

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Terrà un seminario dal titolo:

“Galton Boards”

Abstract:

A Galton board is a device invented by Sir Francis Galton to demonstrate the law error and the normal distribution. The machine consists of a vertical board with interleaved rows of pins. Balls are dropped from the top, and bounce randomly left and right as they hit the pins. Eventually, they are collected into one-ball-wide bins at the bottom. The height of ball columns in the bins approximates a bell curve. In this talk we assume that the collisions of the balls with the pins are perfectly elastic and that there is no friction. We show that the ball almost surely exists the machine from the hole at the top before reaching the bins at the bottom provided that we have sufficiently many rows of pins.

Tutti gli interessati sono invitati a partecipare.

La Segreteria della
Classe di Scienze