**Dynamic Landscapes**

1. Connectivity Degree as a function of distance to landscape’s center, on finite size random geometric graphs.

On fig. LamdaVSd2center\_Stat.eps we show for each node (spot on landscape), connectivity degree (lambda) as a function of its geographic distance (D) to landscape’s center. Colors stand for different values of distance threshold (R/L).

The plots shown in this figure have been obtained on static landscapes.

Best fitting shows in all cases a linear relation:

There is a clear difference between plots above and below percolation threshold

On one hand, for , we get , on the other hand, for we get

as shown in fig. LamdaVSd2center\_Stat\_aANDbFIT.eps

We can confirm this trend by producing a collapse of all plots above percolation threshold as shown in fig. LamdaVSd2center\_Stat\_collaps.eps

As we include dynamics into landscape connectivity, Lamda VS D behaves as shown in movie: Lamda\_vs\_D.avi