**Meeting minutes 25.02**

Look at rotor number vs. epsilon – is this fixed? Integral of number of rotors wrt time to find the total lifetime. Keep nu and delta but change epsilon (10^-6, ^-5, etc..)

Identify the status of a system by no. rotors – look for steady state for 10^6 timesteps.

Get Poisson distribution data/Exponential data for waiting time. Do this for 10^6 timesteps. Look at the ratio of mean vs. std dev. Either break up into sample boxes or define new boxes based on mean position of the rotor. Create time series.

Try to find time correlation between parent and child rotors. Branching process. How many new rotors are formed in the branching process. Look at branching map ie. If a rotor starts at (x,y) where do the second and third rotors exist.

Birth-Death process- number of existing rotors->probability of birth decreases.

Self organized birth-death process (?) “Self organized critical branching process”- by Lauritzen.

<http://arxiv.org/pdf/cond-mat/9603154.pdf>

Are rotors of fundamentally different origin. Look at first “structural” rotors and then “functional” dynamic rotors.

Spatial distribution of rotor stability.

**Viva Date- Thursday 27th February.**

**1 Slide Defining Existing Model.**

**Other:**

**Make web page/youtube video.**

**Aim to add in a fusion of dynamic and static model.**