Let's assume ue have motel:

Motel: Sm (ct + Ø)

We don't know a and &, but we know motel. But we know some bounds for them:

 $C \in [1, 10]$ $\emptyset \in [0, 2\pi]$

Now assume that we have some measurements and from there measurements we would like to estimate the values of C and B.

To test MCMC, let's assume that we have the estimates something like that: C=2, $\Theta=7/2$

Cerente N rondom observations from Phose Whes between f = [0, 1] Once you perente observation data (thre data)

Please all some observation noise;

Let's say! E=0, 0.05, 0.10, 0.20

Now I walt the to see how meme performs to unknown parameters from those dienstrans: You can plot the pollowing POFS.

And the same plot for Θ .

So there is a second of the same plot for Θ .

So there is a second of the same plot for Θ .

Now repest the some procedure for collecting different N Lota points. and plot the POFS for different N ponts In these plots ~ N=10 C=2.0 And some plot for