Question: Are thore (yiles)? Random Mallows Permutacion Up mutations חל מל (exital). Wherever cleck Vings he shap particles 

Main known Results

1) G=Clique, O. Shramm

(2) G= int. regular tree. A Hamand O. Angel

(3) G= Z1, E(diam(s)) = t

G. Kozma

O= min number | Ewens distribution Thomas estimates Mallons Merselle 3) d= ladi transposicionis

Mallows Distribution P[T]~ q'mv(T) OK9K1 INV(TT) = \ i < j | T1, > T15} = \ 1-42/1/1 (1) TiesTit 11-7015 2) Sampling Formula

Main Rosule: El(s/ min(n, (1-912) = Eldiam(s)

Sampling Algorichm :977 me place random variable Theorem E[maxa] [1-9]2 (on av) P max (= + mox (13+) < (1-9)2 

16 35 (=> mox (1=6 P[6->7----4-5]=92(1-412