

Counting mutations on exchangeable coalescent  
trees

Prof. Dr. Vlada Limic  
(CNRS Marseille)

June 27, 2012

The talk will recall exchangeable coalescents, starting from the famous basic model introduced by Kingman. The exchangeable coalescents arise in mathematical population genetics as duals to various evolutionary models, which are in some sense analogous to Levy processes. It is natural to put mutations on the random trees generated by such coalescent processes. We will discuss two ways of (asymptotically) counting mutations on large trees.