

Approximating Hipster Tree Growth Rates

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A rooted tree is called a hipster tree if it has no nontrivial automorphisms. Equivalently, a tree is a hipster tree if no two siblings have isomorphic subtrees. We impose the hipster condition on various classes of rooted trees. By approximating the generating function for the number of such trees, we obtain bounds on their exponential growth rates. We also suggest ways to extend this method to other classes of trees as well as potential improvements of the bounds.