

STATISTICS IN CONJUGACY CLASSES IN FREE GROUPS

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CAT(k) spaces are metric spaces with a concept of curvature abstracted from Riemmanian manifolds. Under certain conditions, asymptotic statistics have been established for hyperbolic groups acting on CAT(-1) spaces. In this talk we consider statistics for free groups when we restrict the group elements to a non-trivial conjugacy class. This is joint work with Richard Sharp.