

Welcome to International Group Theory Web Seminar

Tara Davis

"Distortion in Wreath Products of Cyclic Groups."

March 03, 12:00am (New York Time).

Abstract:

I will discuss some effects of subgroup distortion in the wreath products $A \wr Z$, where A is finitely generated abelian. The effects of distortion in these groups is similar to that in free metabelian groups. One results is that every finitely generated subgroup of $A \wr Z$ has distortion function bounded above by some polynomial. I will also mention a formula for the length of elements in arbitrary wreath product $H \wr G$, and how it applies to distortion.

This is joint work with Alexander Olshanskii.

Next presentation: **TBA**

