

# “Group Theory International” Online Seminar

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*“Solvable poly-context-free groups”*

Thursday, December 5, noon (New York Time)

## Abstract:

A finitely generated group is poly-context-free if its word problem is an intersection of finitely many context-free languages. These groups are closely related to the groups with word problem recognized by multipass automata, recently introduced by Ceccherini-Silberstein, Coornaert, Fiorenzi and Schupp. I conjecture that a finitely generated solvable group is poly-context-free if and only if it is virtually abelian. I will discuss my proof of the torsion-free case of this conjecture, and describe some possible approaches towards proving the full conjecture.

Next presentation: TBA in the Winter 2014 semester