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Amanda Taylor* (taylor@math.binghamton.edu). *Locally Solvable Subgroups of $PLo(I)$.*

A locally solvable group is a group in which every finitely generated subgroup is solvable. We introduce a geometric criterion that is equivalent to local solvability in $PLo(I)$ and discuss a proof that locally solvable subgroups of $PLo(I)$ are countable. Classification of these subgroups is the subject of the author's thesis. All these results hold for Thompson's Group F , too. (Received September 04, 2012)