On the Cantor-Bendixson rank of the Grigorchuk group and the Gupta-Sidki 3 group

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We study the Cantor-Bendixson rank for the space of subgroups of the Grigorchuk group and the Gupta-Sidki group.In particular, we show that for G the Grigorchuk group or the Gupta-Sidki 3 group, the Cantor-Bendixson rank of Sub(G) is ω. This is a joint project with Phillip Wesolek.