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Title: On the smallest locally and residually closed class of groups, containing all finite and all soluble groups

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The class \mathcal{C} was introduced in [1] as an infinite union of certain classes of groups. We provide a simpler characterization of the class \mathcal{C} . We confirm in the class \mathcal{C} the conjecture by R. Grigorchuk, that all groups of intermediate growth are residually finite. We also consider the larger class obtained from \mathcal{C} by closing under extensions. We show that Malcev conjecture – that every finitely generated group satisfying a positive law must be nilpotent-by-finite – known to hold in the class \mathcal{C} , remains true in the extended class $cl\mathcal{C}$.

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