

The complexity of the upper and lower central series of computable nilpotent groups

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It is easy to see that the terms of the upper and lower central series of a computable nilpotent group must have c.e. Degree. We address the question: Can any combination (of the correct size) of c.e. degrees be realized as the non-trivial terms of the upper and lower central series of a computable nilpotent group?

This is joint work with Reed Solomon.