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Gradients in Group Theory

Abstract: Rank and Deficiency gradients quantify the asymptotics of finite approximations of a group. These group invariants have surprising connections with many different areas of mathematics: 3-manifolds, L^2-Betti numbers, topological dynamics and profinite groups. I will give a survey of the current state of research in Gradients for groups and describe important open questions.

References

[1] Paper in some journal.

[2] Another paper in some journal.