

- **Critical phenomena in higher dimensional Lovelock gravity**
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Higher dimensional theories such as string theory are motivation to explore the possibility of higher curvature terms in the action. It is expected that if these are necessary, then their contributions are only visible at small length scales. These terms make the equations of motion more complicated, making numerical simulation more difficult, even in spherical symmetry. Results for Einstein-Gauss-Bonnet gravity will be presented for 5 and 6 dimensions, with preliminary results for higher dimensions.