Toward the dynamics in Gauss-Bonnet gravity

Takashi Torii (Osaka Institute of Technology, Japan) 鳥居 隆 (大阪工業大学 工学部) Hisa-aki Shinkai (Osaka Institute of Technology, Japan) 真貝寿明 (大阪工業大学 情報科学部)

- We present the (N+1)-dimensional Gauss-Bonnet gravity equations in the ADM-like space-time decomposed form which shall be used for future numerical simulations.
- We also prepared the set of equations for obtaining the initial data using the standard conformal approach to solve the constraint equations.
- The set of dynamical equations seem to require an iterative scheme.
- · Coding is in progress.













