

## Examples of stable exponential cosmological solutions with three factor spaces in EGB model with a $\Lambda$ -term

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We consider a  $D$ -dimensional gravitational model with a Gauss-Bonnet term and the cosmological term  $\Lambda$ . We restrict the metrics to diagonal cosmological ones and find for certain  $\Lambda$  a certain examples of solutions with exponential time dependence of three scale factors, governed by three non-coinciding Hubble-like parameters. We prove the stability of these solutions in a class of cosmological solutions with diagonal metrics. A solution describing an exponential expansion of  $3d$  subspace with Hubble parameter  $H$  and small enough variation of the effective gravitational constant  $G$  is singled out.

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