

Chapter 9

Future Scope

From the motivations of the above works and the findings of the recent work on Lyra geometry in a different context, future scopes regarding the following works may be expected. The scopes are

- ▶ Further study may explore how these solutions can be viewed and what physical effects they may have, both within this $f(R, T)$ theory of gravity and in higher dimensions.
- ▶ Apart from that, further research in these areas might go various ways within Lyra geometry.
- ▶ Then, we may concentrate on numerous areas of the generalization of modified $f(R, T)$ gravity and extract new physical consequences from these models, which will be one of the most practical approaches to investigating the development of the universe in the future generations.
- ▶ The aspects of the physical structures and the current accelerated expansion of the model may be investigated with other two frames out of three frames of Harko et al. (2011), as in this present work of the thesis, only one frame is considered and analysed the models of the universe.