

Chapter 5

Conclusion and Discussion

This model provides the satisfactory explanations to the formation of the solar system. The concept of radial pulsation, orbital collision, motion in the resisting medium, and tidal induction had been applied to construct the model effectively. The reliability of this model was supported by many simulations of those concepts.

However, most explanations still being rather *hypothesis*, especially the new categorization of terrestrial and jovian planets, this must be supported with more simulations and more data in the future. Furthermore, the explanation of some features is not yet established, for example, the retrogression of some outermost satellites of jovian planets and the origin of Pluto. The explanations of these features are considered as the future work, which the roles of magnetic field of the protosun and the Sun are expected to be included.