



題目: Structure formation in dark matter universe

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日程(Dates):

7/14 (水) July 14 (Wed) 10:40-12:20, 14:20-16:00

7/15 (木) July 15 (Thu) 10:40-12:20, 14:20-16:00

7/16 (金) July 16 (Fri) 10:40-12:20, 14:20-16:00, 16:15-17:55(Seminar)

場所(Place): 以下で参加登録し、Zoom URLを取得すること。

<https://kyoto-u-edu.zoom.us/meeting/register/tZ0kcu-hqjsjHtWosAbkTmhiX4pHL2IGEd2U>

< 講義概要, Abstract >

Thanks to a rapid observational progress, modern cosmology has been revolutionized, and the standard cosmological model has been fully established. In this lecture, we study the structure formation in the dark matter dominated universe. Based on the linear perturbation theory, we first describe the evolution of the large-scale structure as a critical observable in the context of the standard cosmological model. We then discuss the structure formation beyond linear regime, and present analytical/numerical methods to deal with it in confronting with observations.

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