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## Minimalism in modified gravity

*Tuesday 25 May 2021 14:00 (1 hour)*

It is generally believed that modification of general relativity inevitably introduces extra physical degree(s) of freedom. In this talk I argue that this is not the case by constructing modified gravity theories with two local physical degrees of freedom. After classifying such theories into two types, I show explicit examples and discuss their cosmology and phenomenology, such as possible amelioration of the  $H_0$  tension and stable massive gravity/bigravity cosmology.

**Presenter:** Prof. MUKOHYAMA, Shinji (YITP)