

## Lecture Plan:

### I. Motivation for Dark energy & Modified Gravity

- 1) Coincidence Problem
- 2) Old and New Cosmological Constant

Lecture 1  
26 june

### II. Dark Energy

- 1) Quintessence
- 2)  $f(R)$  + chameleon screenings
- 3) Symmetron
- 4) Kinetic screening or Vainshtein
- 5) Galileons

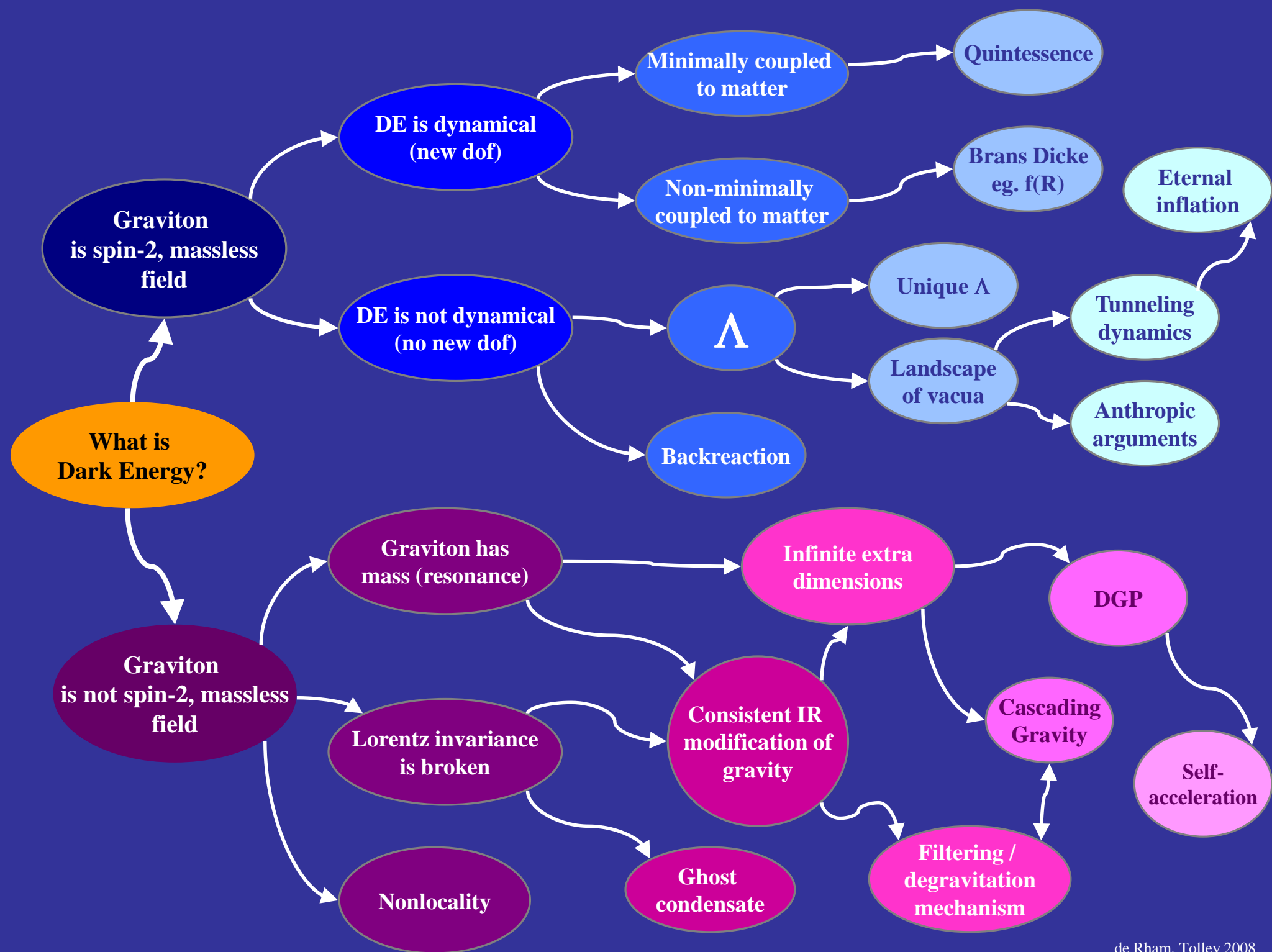
Lecture 2  
27 june  
(morning)

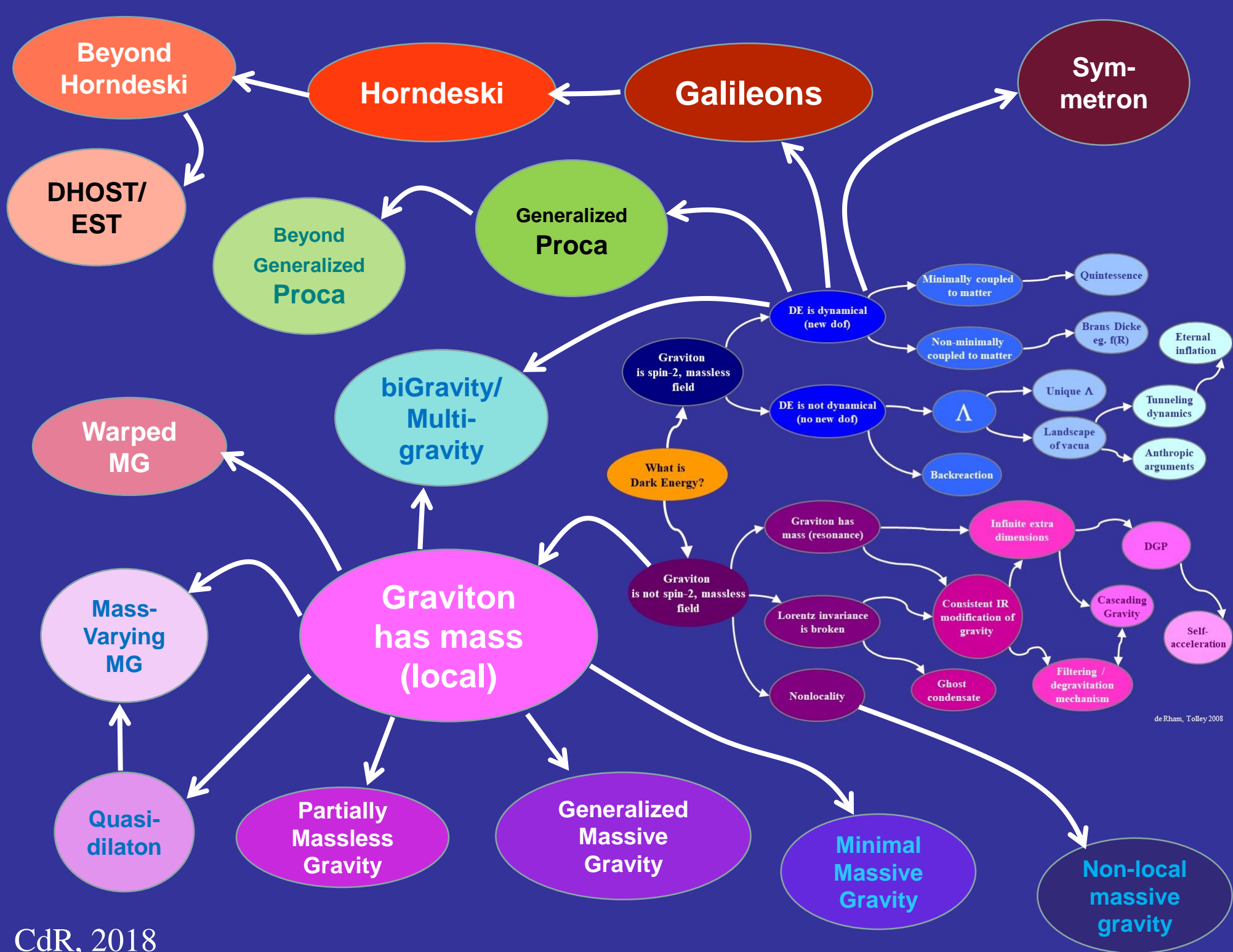
### III. Modified Gravity

- 1) DGP & self-acceleration
- 2) Degravitation
- 3) Massive Gravity
- 4) Extensions

Lecture 3  
27 june  
(afternoon)

Lecture 4  
28 june





de Rham, Tolley 2008