## Questions

# Exact solutions with AdS asymptotics of Einstein and Einstein-Maxwell gravity minimally coupled to a scalar field

- 1. domain wall? conformal Lifshitz?
- 2. AdS length? line element calculated from metric or something else? radius of AdS poincaré disk?
- 3. designer gravity?

### A solution-generating method in Einstein-scalar gravity

1. horn/flux tube type solutions?

#### Sine-Gordon solitonic scalar stars and black holes

1. compactness? how is it defined?

### Scalar stars and lumps with (A)dS core

1.