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. super-plankian emissions?
2. Nariai spacetime? did i understand correctly that it is the interpolation solution between a Schwarzschild black hole and a dS spacetime?
3. why must U(0) = 1? does this lead to the singularity's smearing or is it just to ensure the vanishing at infinity?
4.