

The Poincare Conjecture

Nick Cave

Univ of Mass

November 24, 2013

History

History

The main idea is to use multi-linearity and some change of variables to get far reaching a priori estimates which imply well posedness and longtime existence in each absurdly weighted Sobolov space. Easy extensions of those results to Hoelder type estimates will be given after tea, if the audience has a long enough attention span.

History

The main idea is to use multi-linearity and some change of variables to get far reaching a priori estimates which imply well posedness and longtime existence in each absurdly weighted Sobolov space. Easy extensions of those results to Hoelder type estimates will be given after tea, if the audience has a long enough attention span.

History

The main idea is to use multi-linearity and some change of variables to get far reaching a priori estimates which imply well posedness and longtime existence in each absurdly weighted Sobolov space. Easy extensions of those results to Hoelder type estimates will be given after tea, if the audience has a long enough attention span.

- ▶ Bilinear Estimates: those we leave as a warm up to the audience.

History

The main idea is to use multi-linearity and some change of variables to get far reaching a priori estimates which imply well posedness and longtime existence in each absurdly weighted Sobolov space. Easy extensions of those results to Hoelder type estimates will be given after tea, if the audience has a long enough attention span.

- ▶ Bilinear Estimates: those we leave as a warm up to the audience.
- ▶ Trilinear Estimates: more fun, I will do them for you.

History

The main idea is to use multi-linearity and some change of variables to get far reaching a priori estimates which imply well posedness and longtime existence in each absurdly weighted Sobolov space. Easy extensions of those results to Hoelder type estimates will be given after tea, if the audience has a long enough attention span.

- ▶ Bilinear Estimates: those we leave as a warm up to the audience.
- ▶ Trilinear Estimates: more fun, I will do them for you.
- ▶ The general case: just more slots to fill, nothing new here.

Nothing more to say.