

Neu Textdokument

Abstract:

In this talk, I will present some results on Oldroyd-B model in critical spaces. The global solution to incompressible Oldroyd-B model with non-small coupling constant in L^p scaling invariant spaces is established. We also investigate the incompressible limit problem of Oldroyd-B model with ill prepared initial data. Finally, we show the global well-posedness of compressible Oldroyd-B model with non-small coupling constant in L^2 framework.