

BERNOULLIS TAFELRUNDE

GRADUATE STUDENT SEMINAR

Thursday, 5 November, 12:15-13:00

Seminarraum 00.003, Spiegelgasse 1

STEPHANIE ROHR

Universität Zürich

Combination of discretization and modelling error estimates

ABSTRACT

A priori and a posteriori error estimates play a crucial role in numerical analysis of elliptic boundary value problems. They are commonly used to measure the discretization error of an approximated solution. We will give an overview of important properties, benefits and drawbacks of those estimates. In a second part, we will explain a recent approach for using a posteriori error estimates for modelling errors and its combination with discretization errors.