

4:15-4:50 *Erika Hausenblas* (Montanuniversität Leoben, Austria)

Splitting scheme for stochastic evolution equations

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The talk focuses on splitting scheme. To be more precise, The aim is to find a representation of the error term in terms of Lie brackets for two different splitting methods. As a first step, we derive the local error in Lie-bracket form for the Lie-Trotter and Strang splitting schemes. Based on this error representation, we then derive the global error.