

# SALZBURG MATHEMATICS COLLOQUIUM

Winter 2021/2022

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## „Darboux theorem, symplectic factorization and ellipticity“

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### Abstract:

Darboux theorem is a fundamental result in symplectic geometry. We discuss how to single out a unique regular solution of the partial differential equation involved in the theorem. As a consequence we deduce the symplectic factorization, which is a dual version of the well known „polar factorization“.

Thursday, **15:00-15:45**

Hörsaal 414, 1. Stock