Workshop dedicated to the memory of Professor Gabriela Kohr
Geometric Function Theory in Several Complex Variables and Complex Banach Spaces

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Loewner PDE and univalent subordination chains in infinite dimensions

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Abstract

In this talk, we give the existence and uniqueness result for the solutions of the Loewner partial differential equation (Loewner PDE) in the case of separable reflexive complex Banach spaces. Related results on univalent subordinations and the transition mappings associated with univalent subordination chains are obtained. This is a joint work with Gabriela Kohr.