

On generalized parametric representation on \mathbb{B}^n

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Abstract

We consider biholomorphic mappings on the Euclidean unit ball \mathbb{B}^n which embed into normal Loewner chains that have a time-dependent normalization at the origin. In particular, we present convergence results for the compact families of mappings with generalized parametric representation on \mathbb{B}^n with respect to T and A , where T is the starting time and A is a time-dependent linear operator that determines the normalization.

This talk is based on joint work with Hidetaka Hamada (Kyushu Sangyo University, Fukuoka, Japan) and Gabriela Kohr (Babeş-Bolyai University, Cluj-Napoca, Romania).