
IAN GRAHAM, University of Toronto

The structure of Loewner chains in several variables which are normalized at 0 in terms of a positive linear operator

In joint work with H. Hamada, G. Kohr, and M. Kohr in 2008, it was shown that much of the existence theory for solutions of the Loewner differential equation in several variables could be generalized to univalent subordination chains with a normalization at 0 given in terms of a positive linear operator with certain restrictions on the spectrum (instead of the identity operator). We will recall some of the features of this work and discuss a structure theorem for the solutions of this equation which was recently obtained in joint work with P. Duren, H. Hamada, and G. Kohr.