

**On the representation of bicomplex pseudoanalytic functions***Peter Berglez* (TU Graz)

MON/E3.1 16:00–16:20
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We consider particular classes of bicomplex pseudoanalytic functions which obey certain generalized Bers-Vekua equations in the space of bicomplex variables. We show how such functions can be generated by bicomplex holomorphic functions, by other bicomplex pseudoanalytic functions or by solutions of suitable partial differential equations of second order. The functions presented here are of interest in the investigation of the complexified Schrödinger equation for example.