

**SOME FAMILIES OF MULTIVARIABLE BIORTHOGONAL
POLYNOMIALS AND ASSOCIATED
GENERATING FUNCTIONS**

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*Dedicated to Professor Francesco Mainardi
on the Occasion of his Sixtieth Birthday*

Abstract

For several interesting families of multivariable biorthogonal polynomials, some of which were investigated in recent works in connection with (for example) quantum chromodynamics and integrable difference systems, the author aims here at deriving various classes of generating functions in a unified manner. Relevant connections of some of the generating functions, which are presented in this paper, with a number of known results on the subject are also considered briefly.

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