

Applications of resultants in the spectral m-root framework

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Abstract

The Z-eigenvalues, E-eigenvalues and the corresponding eigenvectors for the Berwald-Moor associated multilinear form in the case $m = n = 3$, are computed by means of applying the method of resultants. The complexity of the algorithm and further developments are discussed.
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Keywords

Berwald-Moor metric, Eigenvalues, Eigenvectors, Multilinear form, Resolvent