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A correction

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A Correction

by

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In the paper „On Factoring a Matric Polynomial with Scalar Coefficients” [Compositio Mathematica 6, 234—238], the statement was made that of the 36 factorizations of a certain polynomial 13 are dissimilar. The correct number of dissimilar factorizations is 10. The error arose from a too strict application of Theorem 2 to the example. While Theorem 2 is correct in its statement of a sufficient condition for the similarity of the sets $\{X_i\}$ and $\{Y_i\}$, the rearrangement within the matric symbols need not be cyclic. It is sufficient that the matrices of $\{Y_i\}$ be formed by subjecting every matrix of $\{X_i\}$ to the same rearrangement. For the canonical form, this involves the same rearrangement of rows and columns in every A_i , which is effected by transforming the A_i by the same unimodular matrix Q . This condition is necessary as well as sufficient for the similarity of $\{X_i\}$ and $\{Y_i\}$.

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