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R.C MATRICES – 3 X 3 ↔ N X N, GRAPHS, SALIENT FEATURES, AND EIGEN VALUES

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ABSTRACT

R.C matrix is a square matrix in which i^{th} row, for all integer value of i, is orthogonal to i^{th} column. Though the set of all R.C matrices is a sub-class of square matrices but refrains to obey some of the basic tenets of matrix algebra. Member matrices of the set of R.C matrices, except the null matrix, are always non-singular and they disguise many invincible characteristics seemingly uncommon in nature.

KEYWORDS: *R.C Matrix, Eigen Values, Characteristic Polynomial*