The Set Of Spectrum Real For The Inverse Eigenvalue Problem From Nonnegative Matrices

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This paper will be studied geometry representation from the set spectrum real which maximal eigenvalue is 1 for inverse eigenvalue problem. To show the the represented will be used invariant from conveks sum of matrix stokastik to conveks sum of the matrix stokastik spectrum. Geometry represented obtained only at R^n for the n = 2, 3 and 4. Invariant property above also will be used to indicate that a spectrum nonnegative matrix [of] form vector $(1, \lambda_2, \lambda_3, \lambda_n)$, hence $(1, t\lambda_2, t\lambda_3, t\lambda_n)$ represented spectrum from a positive matrix for the t in $[0, 1)$.