**Triangular and Symmetric Splitting Method for the Steady State Vector of Regularized Linear System of Block Circulant Stochastic Matrices**

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In this paper, we used the triangular and symmetric splitting (TS) method in order to solve the regularized linear system Ax = b associated with block circulant stochastic matrices. Moreover, we analyze the convergence analysis steady state vector pertinent linear system. We proved that there exist  such that the regularized matrix A = QT + I is positive definite, where I is the real identity block matrix of designated dimension of the block matrix QT, and QT is stochastic rate block matrix with positive diagonal and non-positive off-diagonal elements. Theoretical analysis shows that the iterative solution of TS method converges unconditionally to the unique solution of the regularized linear system.