

## A NOTE ON EIGENVALUES LOCATION FOR TRACE ZERO DOUBLY STOCHASTIC MATRICES\*

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**Abstract.** Some results on the location of the eigenvalues of trace zero doubly stochastic matrices are provided. A result similar to that provided in [H. Perfect and L. Mirsky. Spectral properties of doubly-stochastic matrices. *Monatshefte für Mathematik*, 69(1):35–57, 1965.] for doubly stochastic matrices is given.

**Key words.** Doubly stochastic matrices, Eigenvalues.

**AMS subject classifications.** 15B21, 15A18, 15A29.

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\*Received by the editors on June 24, 2015. Accepted for publication on September 24, 2015.  
Handling Editor: Raphael Loewy.

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