



Volume 9, Issue 2, Article 31

A Note on Estimates of Diagonal Elements of the Inverse of Diagonally Dominant Tridiagonal Matrices

Authors: [Tiziano Politi](#), [Marina Popolizio](#),

Keywords: Tridiagonal matrices, Bounds of entries of the inverse.

Date Received: 06/05/07

Date Accepted: 15/03/08

Subject Codes: 65F50, 15A39.

Editors: [Sever S. Dragomir](#),

Abstract: In this note we show how to improve some recent upper and lower bounds for the elements of the inverse of diagonally dominant tridiagonal matrices. In particular, a technique described by [R. Peluso, and T. Politi, Some improvements on two-sided bounds on the inverse of diagonally dominant tridiagonal matrices, Lin. Alg. Appl. Vol. 330 (2001) 1-14], is used to obtain better bounds for the diagonal elements.



[Download Screen PDF](#)



[Download Print PDF](#)



[Send this article to a friend](#)



[Print this page](#)

[search](#)

[\[advanced search\]](#)

copyright 2003

[terms and conditions](#)

[login](#)