Aug 28, 2024

To: Prof. Nguyen Tien Trung
Editor-in-Chief
JOURNAL OF SCIENCE - QUY NHON UNIVERSITY

Dear Prof. Nguyen Tien Trung,

I am writing to submit the following manuscript entitled " *An alternative equivalent condition for a finite family of normal matrices to be simultaneously diagonalizable via congruence*" for publication in JOURNAL OF SCIENCE - QUY NHON UNIVERSITY as an original research article.

In this work, from the theoretical point of view, we give a sufficient and necessary condition for several normal matrices to be simultaneously diagonalizable via congruence (SDC).

From the computational situation, we propose a polynomial-time algorithm for SDC such matrices. The algorithm is then confirmed with MATLAB.

I confirm that our manuscript has been neither published nor under consideration for publication elsewhere. I have no conflicts of interest to disclose.

Thank you very much for your time and your consideration. I hope to hear from you soon.

Yours sincerely,

Thanh Hieu LE,

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