

中央研究院數學研究所

Institute of Mathematics, Academia Sinica

Taipei Postdoc Seminar

Speaker : 杜志斌 Dr. Zhibin Du (本所 Academia Sinica)

Title : **Combinatorial properties of real symmetric matrices related to the multiplicity of eigenvalues**

Abstract :

Cauchy interlacing theorem is a well-known theory in matrix theory, which can be used to reveal the close relationship between the multiplicity of eigenvalues of real symmetric matrix and the multiplicity of eigenvalues of its principal submatrix. The concepts of P-vertex and P-set of real symmetric matrices are proposed based on the multiplicity of eigenvalues of matrices and Cauchy's Interlacing Theorem. This talk will introduce some combinatorial properties of P-vertex and P-set of real symmetric matrices.

Time : 11:00 - 12:30, Wednesday, Oct 31, 2018

Venue : Room 638, Astro-Math. Buidling (NTU Campus)

Organizer : Sheng-Fu Chiu (Academia Sinica), Chien-Hsun Wang (National Center for Theoretical Sciences)

Refreshment : 10:30

https://www.math.sinica.edu.tw/www/file_upload/conference/2016TPS/index.html

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