Seminário OGTC

Optimization, Graph Theory and Combinatorics

20 de setembro de 2024 (16h00 às 16h50)
(Sala Sousa Pinto)

Inequalities of indefinite type

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In this talk, we would like to recall facts for inequalities of indefinite type from our point of view.

Our references are Ando's lecture notes [1], Ando's articles [2, 3], [6] and ours [4, 5, 6].

Referências

[1] Tsuyoshi Ando, Linear Operators on Krein Spaces, Hokkaido University, Research Institute of Applied Electricity, Divisionof Applied Mathematics, Sapporo, 1979.

[2] Tsuyoshi Ando, Löwner inequality of indefinite type, *Linear Algebra Appl.* 385 (2004), 73–80.

[3] Tsuyoshi Ando, Two classes of J-operators, *J. Iran. Math. Soc.* 4 (2023), no. 1, 45–54.

[4] Takashi Sano, Furuta inequality of indefinite type, *Math. Inequal. Appl.* 10 (2007), no. 2, 381–387.

[5] Takashi Sano, On chaotic order of indefinite type, *J. Inequal. Pure Appl. Math.* 8 (2007), no. 3, article 62, 4 pp.

[6] Mohammad Sal Moslehian, Takashi Sano, Kota Sugawara, The arithmetic-geometric mean inequality of indefinite type, *Arch. Math.* (Basel) 117 (2021), no. 3, 347–359.