Home   Editors   Submissions   Reviews   Volumes   RGMIA   About Us

On Chaotic Order of Indefinite Type

Authors: **Takashi Sano**,

Abstract:

Let A, B be J-selfadjoint matrices with positive eigenvalues and

$I \geqq^J A, I \geqq^J B.$ Then it is proved as an application of Furuta inequality of

indefinite type that

$$\mathrm{Log}\, A \geqq^J \mathrm{Log}\, B$$

if and only if

$$A^r \geqq^J \left(A^{\frac{r}{2}} B^p A^{\frac{r}{2}}\right)^{\frac{r}{p+r}}$$

for all $p > 0$ and $r > 0$.

    Download Screen PDF

    Download Print PDF

    Send this article to a friend

    Print this page