MATRIX RICHARD INEQUALITY VIA THE GEOMETRIC MEAN

MASAYUKI FUJIMOTO AND YUKI SEO

Abstract. In this paper, we show the matrix version of Richard inequality by virtue of Cauchy-Schwartz type inequalities via the matrix geometric mean. As an application, we show a matrix Buzano inequality.


Keywords and phrases: Buzano inequality, matrix geometric mean, Richard inequality, Cauchy-Schwarz inequality.

REFERENCES