ON SCHUR \( m \)-POWER CONVEXITY FOR RATIOS OF SOME MEANS

HONG-PING YIN, HUAN-NAN SHI AND FENG QI

Abstract. In the paper, the authors discuss the Schur \( m \)-power convexity on \((0, \infty) \times (0, \infty)\) for ratios of some famous means, such as the arithmetic, geometric, harmonic, root-square means, and the like, and obtain some inequalities related to ratios of means.


Keywords and phrases: Schur \( m \)-power convexity, quotient, mean, arithmetic mean, geometric mean, harmonic mean.

REFERENCES