

SCHUR CONVEXITY PROPERTIES FOR THE ELLIPTIC NEUMAN MEAN WITH APPLICATIONS

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Abstract. Strictly Schur convexity, Schur multiplicative convexity and Schur harmonic convexity are investigated for the elliptic Neuman mean. As applications, several sharp bounds for the arithmetic, geometric and harmonic means in terms of the elliptic Neuman mean are presented.

Mathematics subject classification (2010): 26B25, 26E60.

Keywords and phrases: elliptic Neuman mean, Jacobian elliptic function, Schur convex, Schur multiplicatively convex, Schur harmonic convex.

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