Title: Two Schur-convex functions related to Hadamard-type integral inequalities

Author(s): Huan-Nan Shi

The Schur-convexity, the Schur-geometric convexity and the Schur-harmonic convexity of two mappings which related to Hadamard-type integral inequalities are researched. And three refinements of Hadamard-type integral inequality are obtained, as applications, some inequalities related to the arithmetic mean, the logarithmic mean and the power mean are established.

Address:
Huan-Nan Shi
Department of Electronic information
Teacher's College
Beijing Union University
Beijing City, 100011
China