## Fractional integral results for some special functions

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## Abstract

In this paper, we use the Riemann-Liouville fractional integrals to establish some fractional refinement of the celebrated Chebyshev inequal-ity in the case of two synchronous functions. Other fractional integral inequalities in the case of two Holderian functions are also given. Mathematics Subject Classification: 26D10, 26A33

*Keywords:* Integral inequalities, Riemann-Liouville fractional integral, Holderian function, Chebyshev inequality, Synchronous function.