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George A. Anastassiou* (ganastss@memphis.edu). *Generalised fractional Hermite-Hadamard Inequalities involving m -convexity and (s,m) -convexity.*

Here we present generalised fractional Hermite-Hadamard type inequalities involving m -convexity and (s,m) -convexity. These inequalities are with respect to generalised Riemann-Liouville fractional integrals. Our work is motivated by and expands recent work of Zhang and Wang to the greatest generality and all possible directions. (Received May 23, 2013)