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**George A. Anastassiou\*** ([ganastss@memphis.edu](mailto:ganastss@memphis.edu)). *The Reduction Method in Fractional Calculus and Fractional Ostrowski type inequalities.*

Here we study generalised fractional integrals and fractional derivatives. We present the reduction method of Fractional Calculus and we reduce them to basic fractional integrals and fractional derivatives. We give a series of generalised Ostrowski type fractional inequalities involving  $s$ -convexity. We apply all of the above to Hadamard and Erdélyi-Kober fractional integrals and fractional derivatives. We produce also important generalised fractional Taylor formulae. (Received May 23, 2013)