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A NEW CLASS OF FRACTIONAL DERIVATIVES AND INTEGRALS

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ABSTRACT

In this paper, we introduce a new class of derivative and integral operators. This class of new fractional operators includes many definitions in the literature, such as Riemann-Liouville Fractional Derivatives and Integrals [4], Katugampola Fractional Derivatives and Integrals [3], Conformable Calculus [1, 2, 5, 6], etc. In addition, some basic definitions and theorems have been obtained for these operators.

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