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Murali Rao*, 3746 SW 3rd place, Gainesville, Gainesville, FL 32607. *Fractional Integrals*.

Fractional Integrals have gained more visibility in the last decade. Majority of these are based on Riemann-Liouville approach. We will base our approach on semigroups and Weyl fractional integrals. Some simple consequences are Fractional powers of potential operators.

Not all results are new. Approach and emphasis are different. Applying to survival functions will point to the connection with the concept of memory. We give examples to indicate that this approach is worth pursuing. (Received January 25, 2019)