1128-31-330   **Adebo James Sijuwade*** (`ajsijuwade@gmail.com`), 1401 NE Merman Dr. Apt. 104, Pullman, WA 99163. *Fractional calculus and applications of the Riesz Potential.*

In this exposition, we will take an alternative view on some standard interpretations of Calculus and explore fractional derivatives and integrals. These will lead into some foundations of Potential Theory wherein we will take a look at the Riesz potential and its applications in establishing embeddings. (Received February 28, 2017)