1163-34-286   **M. N. Islam*** (`mislam1@udayton.edu`), Department of Mathematics, University of Dayt, Dayton, OH 45469, and **Jeff Neugebauer**, Eastern Kentucky University, Richmond, KY 40475. *Fractional Differential Equation of Riemann-Liouville Type.*

We consider an initial value problem for a fractional differential equation of Riemann-Liouville type. By studying an equivalent Volterra integral equation, we show the existence of a continuous solution on $(0, T]$ for some $T > 0$. We then show for a special case that if a continuous solution exists on $(0, \infty)$, then it is absolutely integrable on that interval. (Received September 01, 2020)

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