1145-34-2582 **James H Liu**, **Alexander R McAllister*** (`mtnmcallister@gmail.com`) and **Alfred Williams**.
A Necessary Condition for Exponential Matrix Solutions of Differential Equations.

For linear differential equations, we will show that a well known sufficient condition for having exponential matrix solution is also a necessary condition under the assumption that the leading matrix is analytic. (Received September 25, 2018)