

Mixed order system of ordinary linear differential equations

Siaka M Kone

036kone@cosmos.wits.ac.za

Ph.D (Student), Department of mathematics, University of the Witwatersrand ,priv

We characterize sufficiently large classe of mixed order system which are equivalent to first order system. In particular if the highest derivate in the equations of mixed order system occur with different functions, then it is conjectured that such a rduction is always possible.