Some inequalities for special functions

Ayman Shehata

Abstract:

This paper is motivated by an open problem of several inequalities for confluent hypergeometric functions. We give some inequalities for simple Laguerre, Laguerre, pseudo-Laguerre, Shively’s pseudo-Laguerre, and Hermite functions of one and two variables.

Keywords:
confluent hypergeometric; simple Laguerre; Laguerre; pseudo-Laguerre; Shively’s pseudo-Laguerre; Hermite functions

Published In:

Journal of Inequalities and Applications, 2015, 164-178