

LAGUERRE-TYPE EXPONENTIALS, L -CIRCULAR AND
 L -HYPERBOLIC FUNCTIONS*G. Dattoli, P.E. Ricci**Department of Mathematics
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Some classes of entire functions which are eigenfunctions of generalizations of the Laguerre derivative operator are considered.

Since this property is an analog of that one characterizing the exponential function, we will refer to such functions as laguerre-type exponentials, or shortly L -exponentials. the definition of L -circular and l -hyperbolic functions easily follows.

Their applications in the framework of generalized evolution problems are also mentioned.