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**Title:** New expressions for the Laplace Limit Constant

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The solution of Kepler's famous equation can be expressed as an infinite sum for which the radius of convergence,  $\lambda$ , is called the Laplace Limit Constant. So far, no explicit expression has been discovered for this constant. In this note, we point out that  $\lambda$  can be expressed in closed form, in terms of the  $r$ -Lambert special function. Based upon this observation, we give a new infinite series representation for  $\lambda$  in terms of the Laguerre polynomials.

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