IRRATIONALITY MEASURES OF $\log 2$ AND $\pi/\sqrt{3}$

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Abstract. Using a class of polynomials that generalizes Legendre polynomials, we unify previous works of E. A. Rukhadze, A. K. Dubitskas, M. Hata, D. V. and G. V. Chudnovsky about irrationality measures of $\log 2$ and $\pi/\sqrt{3}$.