

SOME EXTREMAL PROPERTIES OF THE INTEGRAL OF LEGENDRE POLYNOMIALS

史应光王子玉

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关键词 [Lagrange interpolation](#), [Legend](#)

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SOME EXTREMAL PROPERTIES OF THE INTEGRAL OF LEGENDRE POLYNOMIALS

SHI YINGGUANG

Department of Mathematics, Hunan Normal University, Changsha 410081, China WANG ZIYU

Abstract Some extremal properties of the integral of Legendre polynomials are given, which are of independent interest. Meanwhile they show that a conjecture of P. Erdos[1] is plausible and maybe provides some means to prove this conjecture.

Key words [Lagrange interpolation](#) [Legendre polynomial](#) [extremal problem](#)

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