

ON THE CALCULATION OF TWO ESSENTIAL HARMONIC SERIES WITH A WEIGHT 5 STRUCTURE, INVOLVING HARMONIC NUMBERS OF THE TYPE H_{2n}

CORNEL IOAN VĂLEAN

Abstract. The core of the present paper is represented by the calculation of two essential harmonic series with a weight 5 structure, involving harmonic numbers of the type H_{2n} . The two main series are evaluated by also exploiting results and strategies presented in the book, *(Almost) Impossible Integrals, Sums, and Series*, 2019.

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