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A SUMMATION (PARTIAL SUM) OF HARMONIC PROGRESSION SERIES PRODUCED THE SUM EXIST

NAQUEEB ASHRAF SIDDIQUI
Independent Researcher, Varanasi, India

ABSTRACT

The sum up-to n terms of Arithmetic Progression is expressed by

- S=n/2[2a+(n-1)d] and
- S=n/2(a+l)

Similarly, we also have formula for sum up to n terms of Geometric Progression for r>1 and r<1.But we have no formula for sum up-to n terms of Harmonic Progression. In this section we have an expression for getting sum up-to definite terms (as n terms) of Harmonic Progression.

KEYWORDS: Partial Sum, Order of n, Just Middle Term, Two Halves, Variable, Approximation