World Academy of Science, Engineering and Technology International Journal of Mathematical and Computational Sciences Vol:8, No:10, 2014

Series "H154M" as a Unit Area of the Region between the Lines and Curves

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Abstract : This world events consciously or not realize everything has a pattern, until the events of the universe according to the Big Bang theory of the solar system which makes so regular in the rotation. The author would like to create a results curve area between the quadratic function y=kx2 and line y=ka2 using GeoGebra application version 4.2. This paper can provide a series that is no less interesting with Fourier series, so that will add new material about the series can be calculated with sigma notation. In addition, the ranks of the unique natural numbers of extensive changes in established areas. Finally, this paper provides analytical and geometric proof of the vast area in between the lines and curves that give the area is formed by y=ka2 dan kurva y=kx2, x-axis, line $x=\sqrt{a}$ and $x=-\sqrt{a}$ make a series of numbers for k=1 and $a \in o$ riginal numbers. $\sum (i=0)^n = (4n\sqrt{n})/3 = 0 + 4/3 + (8\sqrt{2})/3 + 4\sqrt{3} + (4n\sqrt{n})/3$. The author calls the series "H154M".

Keywords: sequence, series, sigma notation, application GeoGebra

Conference Title: ICMCSSE 2014: International Conference on Mathematical, Computational and Statistical Sciences and

ngineering

Conference Location: Bali, Indonesia Conference Dates: October 09-10, 2014