International J. of Math. Sci. \& Engg. Appls. (IJMSEA)
ISSN 0973-9424, Vol. 8 No. I (January, 2014), pp. 55-61

# ON A PROOF OF THE INEQUALITY $(1+x)^{r}>1+r x$, WHERE $x>-1$ AND DIFFERENT FROM 0 AND $r$ IS ANY NEGATIVE RATIONAL NUMBER 

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#### Abstract

In this paper, the earlier proofs on the inequality $(1+x)^{r}>1+r x$, where $x>-1$ and $r$ is any negative rational number, has been very much simplified in such a manner that a reader can easily understand each step of the proof furnished herein.


Key Words : Harmonic Mean, Arithmetic Mean, Geometric Mean, Power Means.
2000 AMS Subject Classification : 47H10, 54H25.
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