

## Entropy Measures on Neutrosophic Soft Sets and Its Application in Multi Attribute Decision Making

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**Abstract :** The focus of the paper is to furnish the entropy measure for a neutrosophic set and neutrosophic soft set which is a measure of uncertainty and it permeates discourse and system. Various characterization of entropy measures are derived. Further we exemplify this concept by applying entropy in various real time decision making problems.

**Keywords :** entropy measure, Hausdorff distance, neutrosophic set, soft set

**Conference Title :** ICMSS 2017 : International Conference on Mathematical Sciences and Statistics

**Conference Location :** Venice, Italy

**Conference Dates :** April 13-14, 2017