

Post Abstract Review  
Studies on Values for Paired Comparison in AHP

Author(s): Taki Kanda

Abstract:

The essence of AHP is paired comparison. There are many methods of paired comparison which have been proposed - Thurstone's method which was studied as Psychophysical analysis and developed by Mosteller, Scheffe's method and Bradley's method which are often used in sensory tests, Guttman's method which starts with paired comparison and end up solving eigenvalue problems as well as AHP.. The values for paired comparison vary with method. Here it is studied that order statistics are used for the values to give to the answers of paired comparison with the aim of giving scales for evaluation of importance of criteria or alternatives with respect to each criterion so that the units of the scales can be considered standard deviations of the standard normal distribution (  $\sigma$  ). The scales obtained by using order statistics are convenient to compare the importance among many alternative because the units are clear.