## $S\mbox{-}\mathrm{measures}$ , $T\mbox{-}\mathrm{measures}$ and Distinguished Classes of Fuzzy Measures

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Abstract: S-measures are special fuzzy measures decomposable with respect to some fixed t-conorm S. We investigate the relationship of S-measures with some distinguished properties of fuzzy measures, such as subadditivity, submodularity, belief, etc. We show, for example, that each  $S_P$ -measure is a plausibility measure, and that each S-measure is submodular whenever S is 1-Lipschitz.

Keywords: fuzzy measure; t-norm; T-conorm; subadditivity; belief;

AMS Subject Classification: 28E10;