Decision support by interval smart/swing

Ahti Salo, Jyri Mustajoki, and Raimo P. Hämäläinen
Systems Analysis Laboratory
Helsinki University of Technology
P.O. Box 1100, Otakaari 1 M
FIN-02015 TKK, Finland
email: ahti.salo@tkk.fi, jyri.mustajoki@tkk.fi, raimo@tkk.fi

Abstract:
A preference programming approach is used to accommodate preferential and informational imprecision by intervals in SMART and SWING weighting. Our generalization allows the reference attribute in weighting to be any attribute and the decision maker can reply with intervals to the weight ratio questions. We describe the related WINPRE software.