Stellingen

Stellingen behorende bij het proefschrift
Sensitivity analysis of decision-theoretic networks
van Veerle Coupé

1. Performing sensitivity analyses is an essential phase in building a reliable decision-theoretic network. *This thesis*

2. The practicability of quantifying a decision-theoretic network increases considerably by applying an iterative procedure of alternatingly performing sensitivity analyses and refining influential parameters. *This thesis*

3. Sensitivity analysis can be used to detect errors in the structure of a decision-theoretic network. *This thesis*

4. The graphical structure of a decision-theoretic network allows for identifying non-influential parameters without numerical computations. *This thesis*

5. Knowledge of the mathematical relationship that expresses expected utility or any posterior probability as a function of a network's parameter allows for efficient sensitivity analysis. *This thesis*

6. In a junction tree derived from a belief network, symbolic propagation can be carried out without propagation of symbols. *This thesis*

7. Although the sensitivity of the outcome of a decision-theoretic network averaged over all parameters is generally small, the sensitivity to a particular parameter may be very high.

8. Although many problems still remain to be solved, the methods for sensitivity analysis presented in this thesis bring decision-theoretic networks one step closer to exploitation in real-life applications.

9. Gezien de verwaarloosbare kosten en de grote verwachte opbrengst is het verwonderlijk dat er niet meer schouderklopjes uitgedeeld worden.

10. Het construeren van een besliskundig netwerk voor de keuze van een levenspartner is een uitputtende taak.

11. Promotiejaren tellen dubbel.

12. Bevrijd je van je gehejmen, zonder geheimen is het leven lichter. (naar: De erfenis, C. Palmen)