The presented approach provides methodical support for optimizing complex design processes through consideration of the entire range of involved domains. The use of multi-domain matrices allows for improved data acquisition, because complex dependency types can be separated into simpler questions more suitable for interviews. Furthermore, the approach of multi-domain matrices makes it possible to systematically derive intra-domain networks which are suitable for algorithmic analysis as well as intuitive user comprehension. Analysis of intra-domain networks can be executed by means of structure criteria known from graph theory.

Stichworte:
- complexity
- DSM: design structure matrix
- MDM: multiple-domain-matrix
- product design

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