

1. Übungsblatt

Ausgabe: 22.10.13

Abgabe: 28.10.13 - 12 Uhr

1.1 *Product Quality Model*

10 Punkte

The *Product Quality Model* (see slides of the last lecture) model should be used in the development of an autonomous car. Thereby the software of the car should support the following functionalities:

- Automatic braking on baulk detection
- Route planning
- Parking assistant
- Recognizing and following the course of the road
- Baulk avoiding system

Please discuss three properties for each of the eight aspects of the *Product Quality Model* in respect to the given functionality of the software. Thereby one sentence per property is enough, but the property should be concrete enough to be checked later. In example, the property „*The program is bug free*“ for the aspect *Functional Suitability* is **not** reasonable, because it is more a general definition and not a concrete property that can be tested. Furthermore it has no direct relation to the software of an autonomous car. In contrast to that, the answer „*Entered data for the route planning can be saved as template or an auto completion can help to find the destination*“ would be appropriated for the property *Operability*. (If you discuss the property *Operability*, please give an other example than the given one.)

The maximal size of a working group is 3 persons per group. Please mention all group members on your submission.