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Micro-triangulation for high accuracy short range measurements of dynamic objects

Tuesday 3 February 2015 12:20 (25 minutes)

Summary

The aim of this talk is to describe the contribution of the Micro-triangulation method and the QDaedalus system in the PACMAN project. More specifically, we explain how the triangulation works in order to calculate 3D coordinates using horizontal and vertical angle measurements. Then, we define the precision of the measurements and the quality of the results, given the instruments and the working space. In addition, we present the advantages of the system as well as the main future improvements. The presentation finishes with an attempt to outline the strategy of the detection and the measurement of the stretched wire.

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