



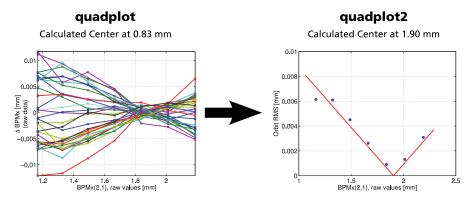


First Experience with the MATLAB Middle Layer at ANKA

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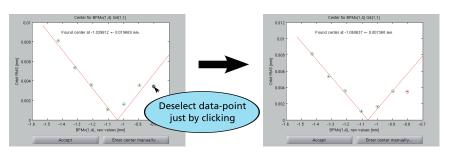
Beam-Based Alignment

Improved Fitting Algorithm

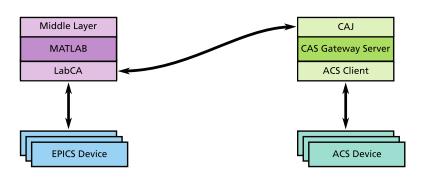


The quadplot function distributed with the MATLAB Middle Layer can return completely wrong results for partly faulty data. The quadplot2 function used at ANKA is more resistent to single defective datapoints, because it uses the RMS of all BPMs. Therefore it yields correct results, even if some of the datapoints are far away from the fitted function.

Interactive Fitting



Control System Integration



User-Friendly Workflow

