

Comparison of the rail straightness measurement results obtained with the laser system and with the portable rail straightness gauge.

Measurement length increments were:

- portable gauge - 10 mm

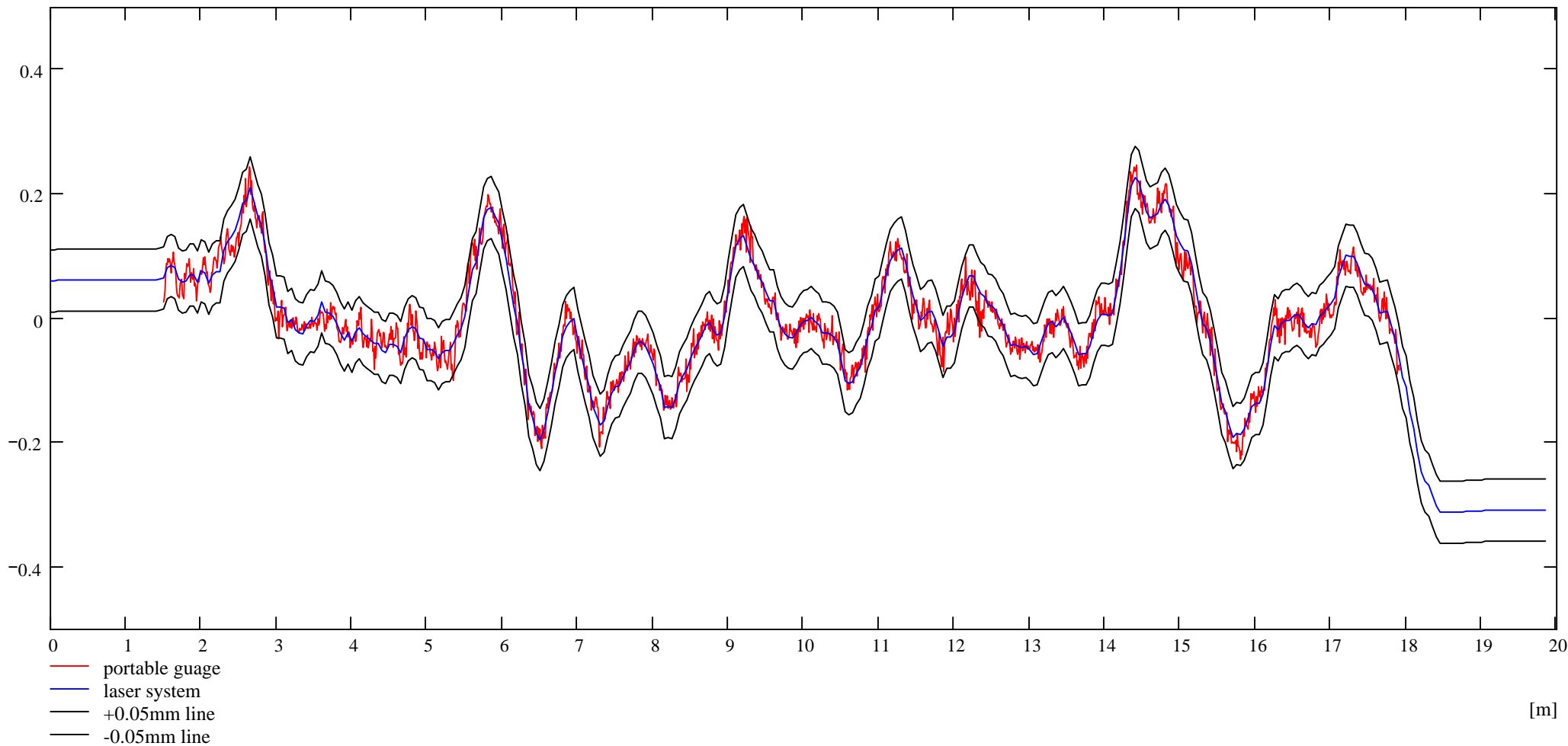
- laser system - 50mm

+/- 0.05mm boundary lines in respect to averaged results of the laser system are also shown.

[mm] Rail back end

Side surface

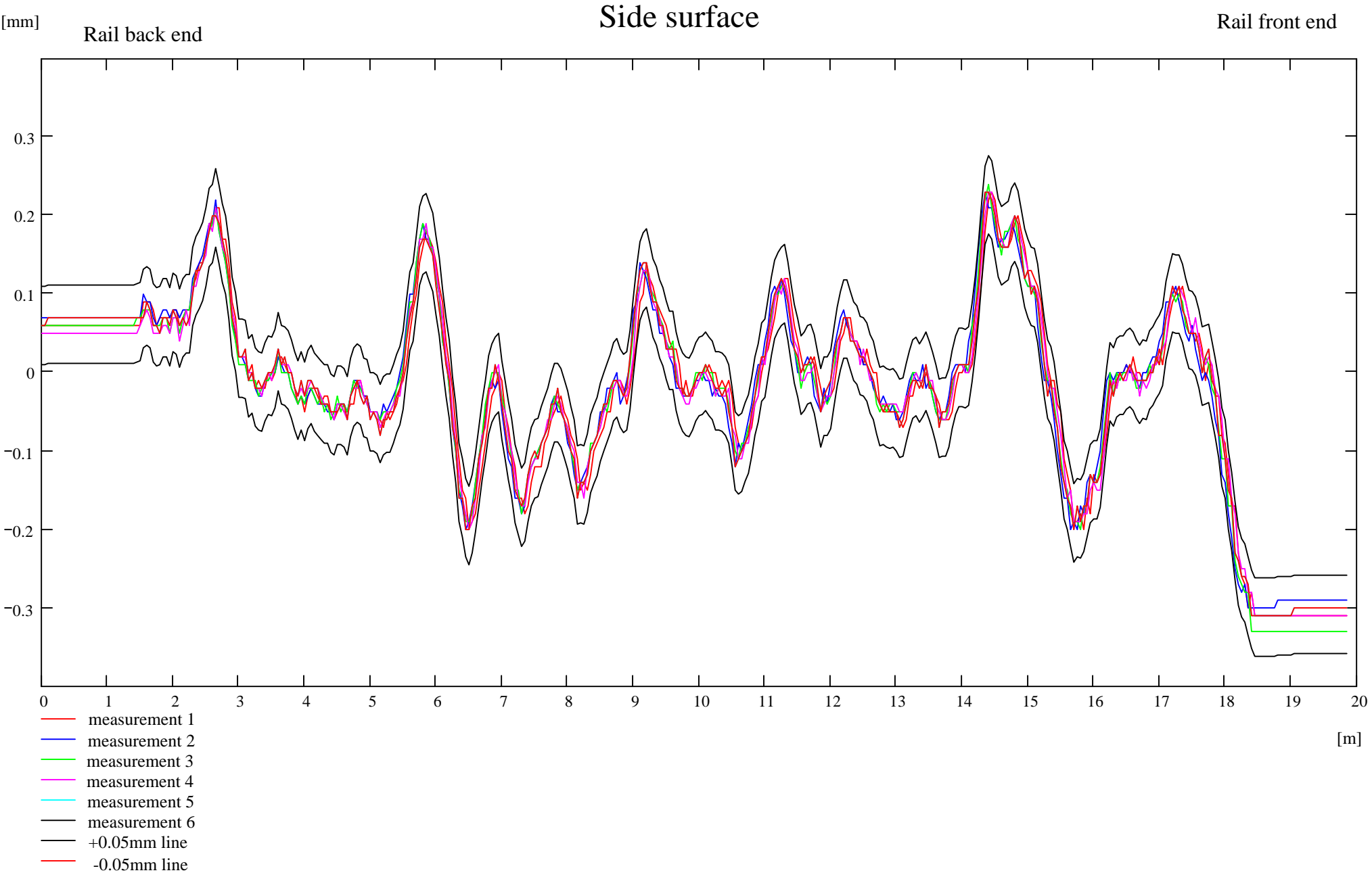
Rail front end



# Repeatability of the rail straightness measurements for six passes of the rail through the laser system with different speed



+/- 0.05mm boundary lines in respect to averaged results of the laser system are also shown.



# Repeatability of the rail straightness measurements.

Deviations are shown of one of the measurements from the average calculated for all six measurements.

