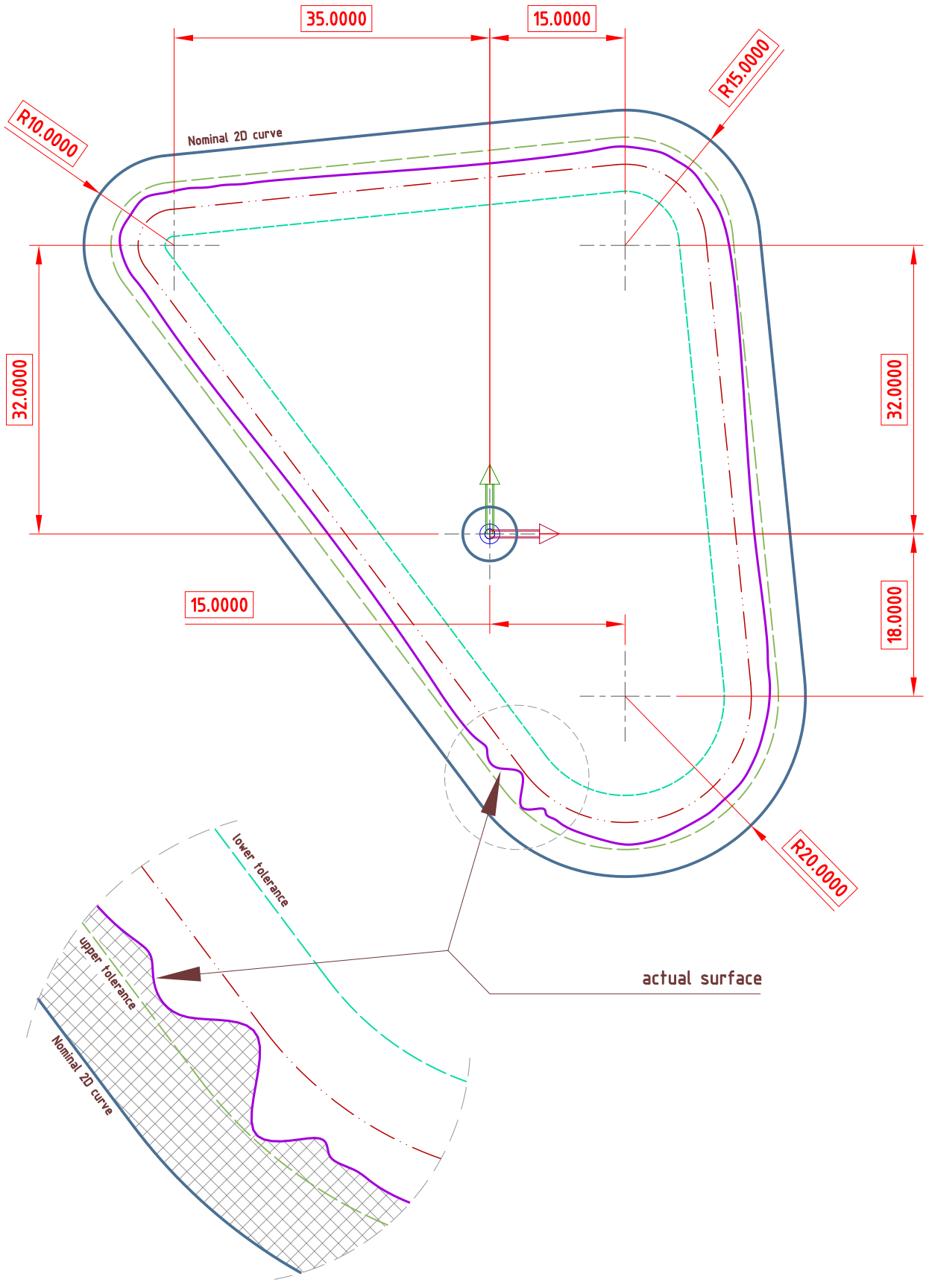
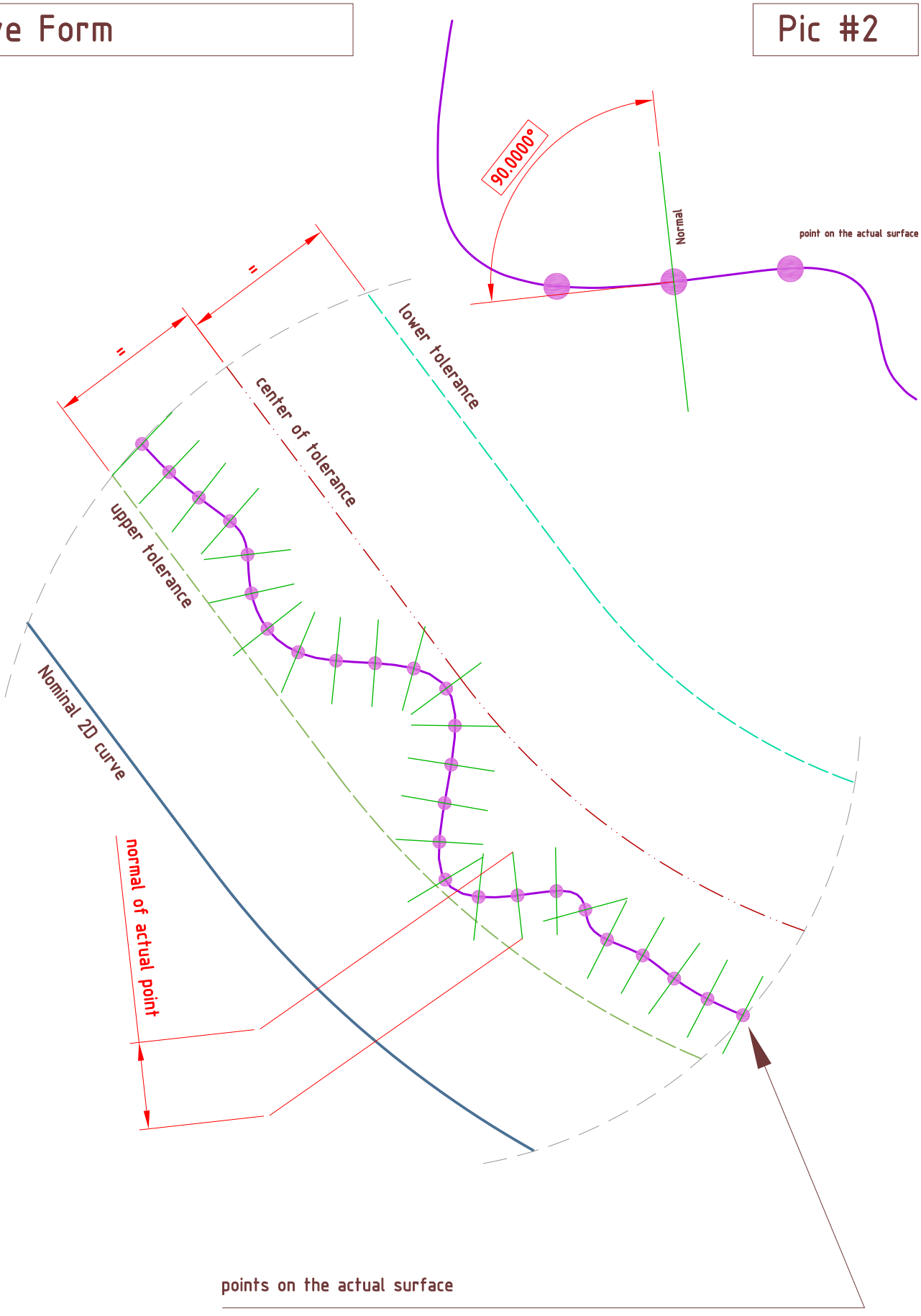
Curve Form

Pic #1



Curve Form

Pic #2



Curve Form

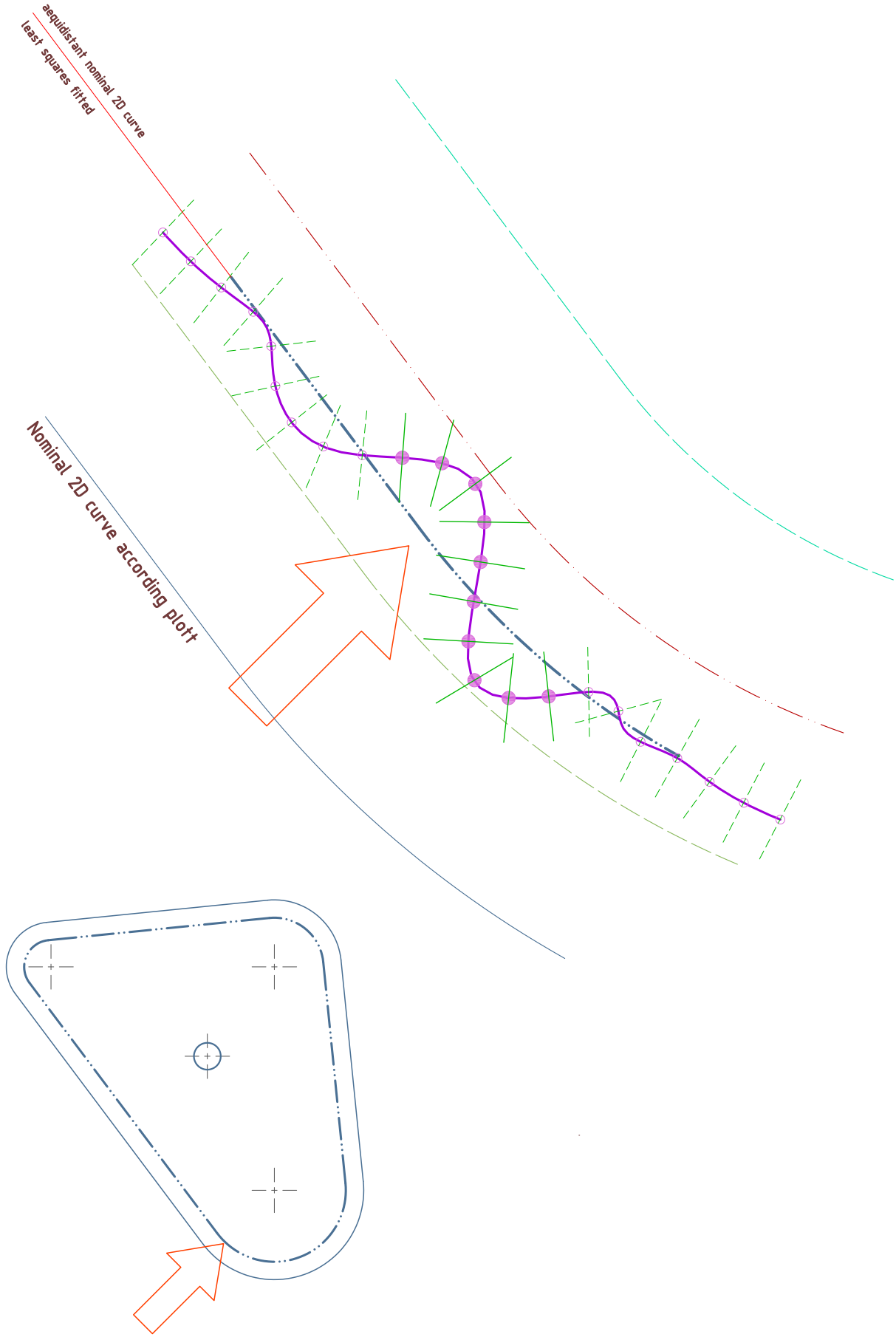
Pic #3

The "increasing / decreasing" nominal curve
in order to calculate the
correct intersection points

Curve Form

Pic #4

The "new" nominal curve



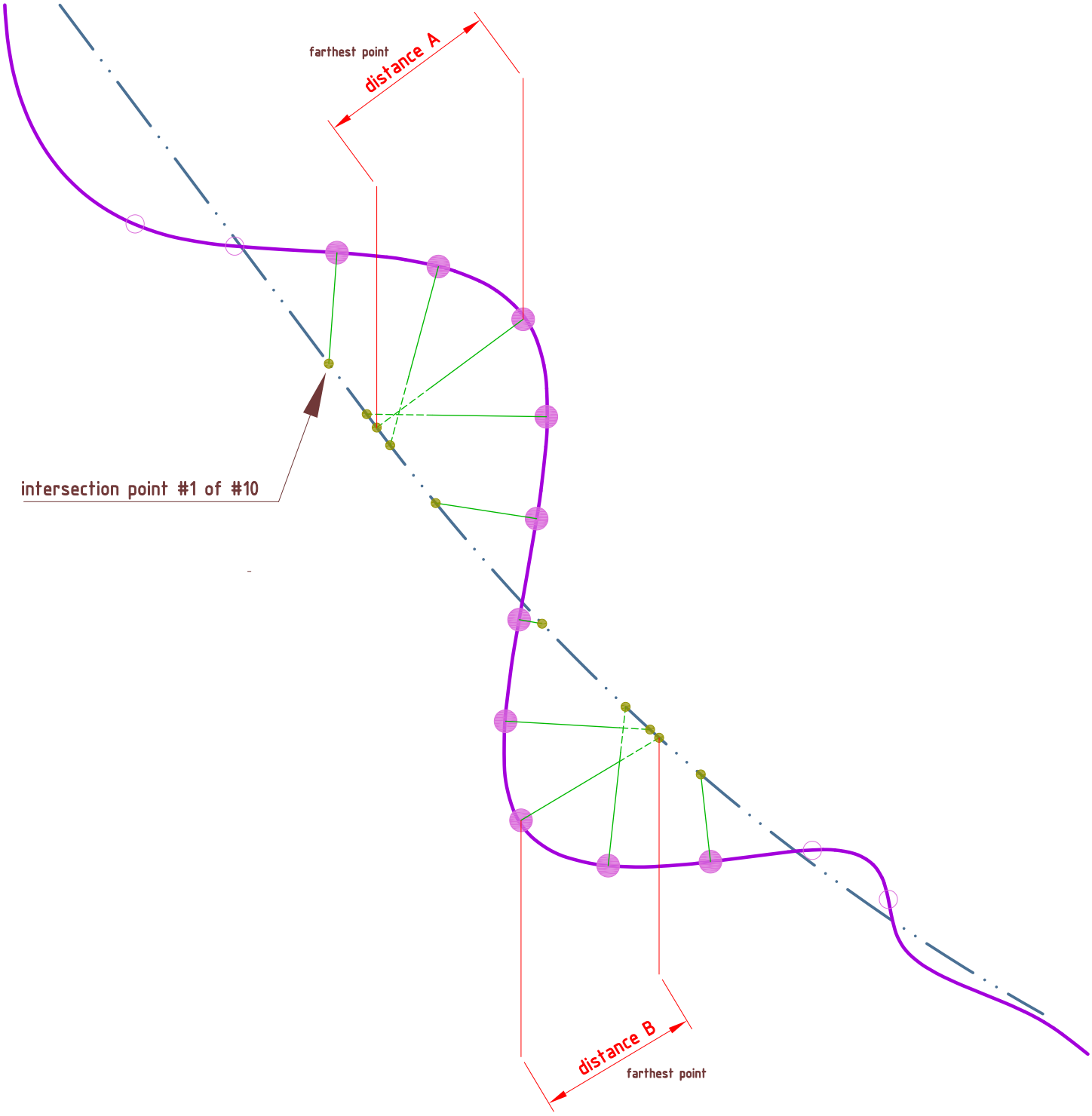
Curve Form

Pic #5

Calculation of intersection points

result of Curve Form:

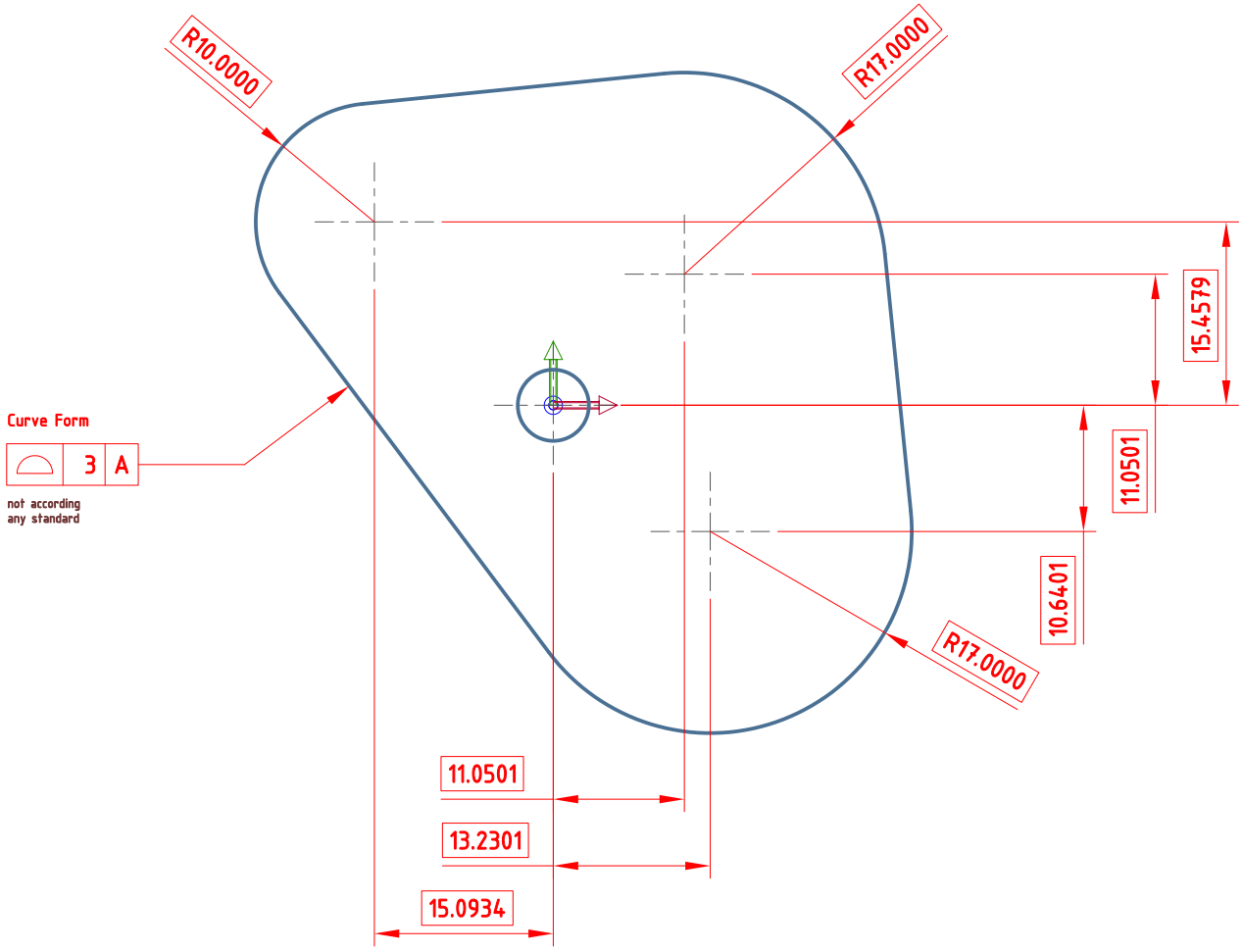
distance A plus distance B



Curve Form

Pic #1

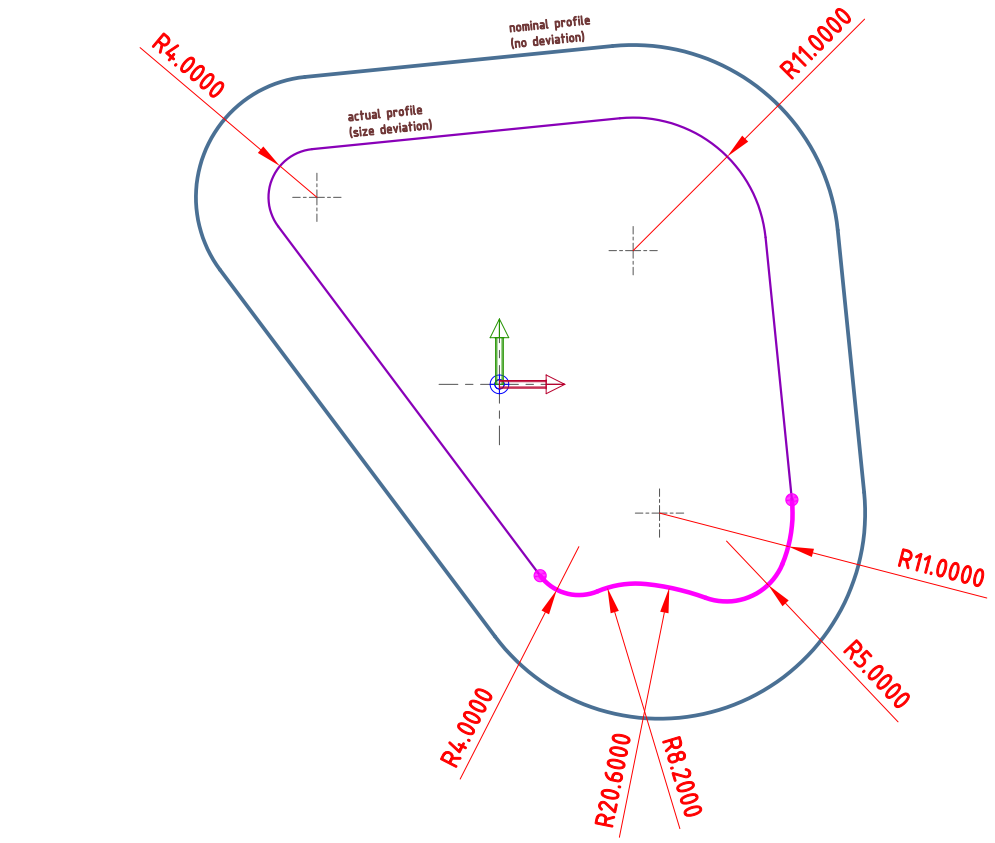
Dimensioning

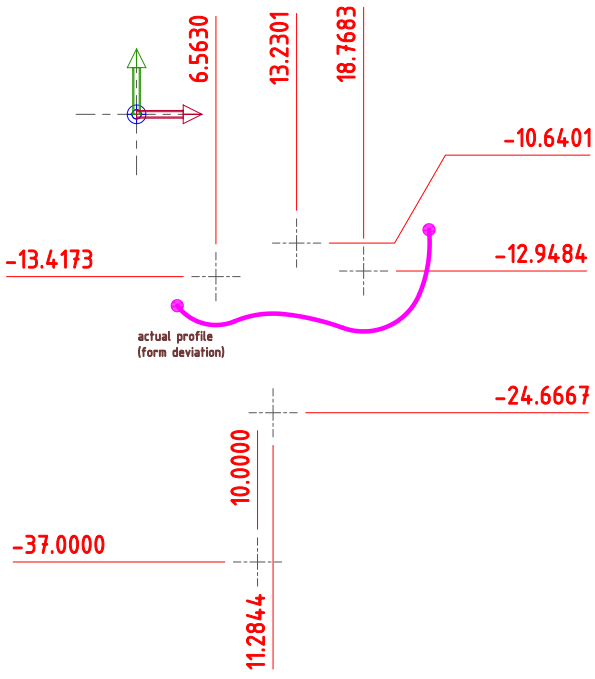


Curve Form

Pic #2

Actual profile

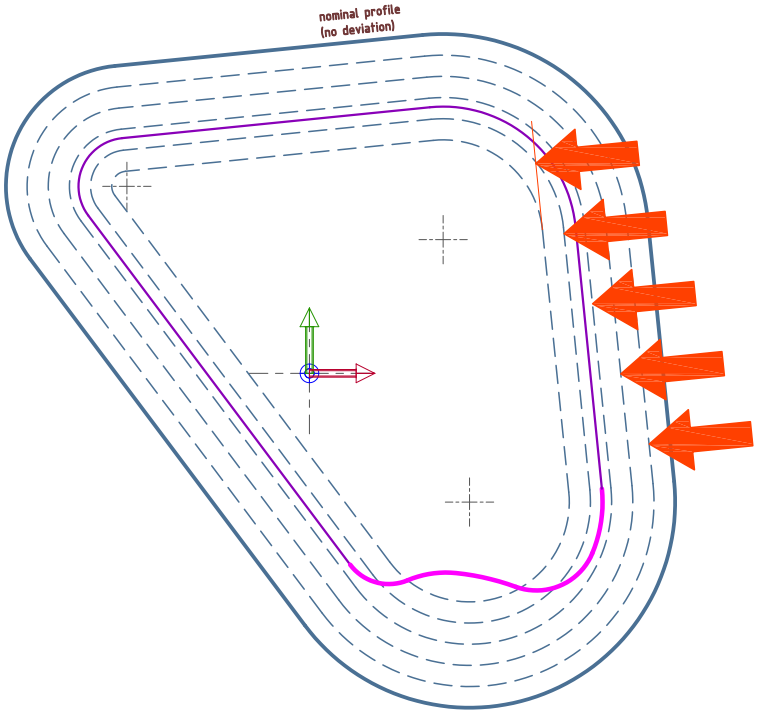


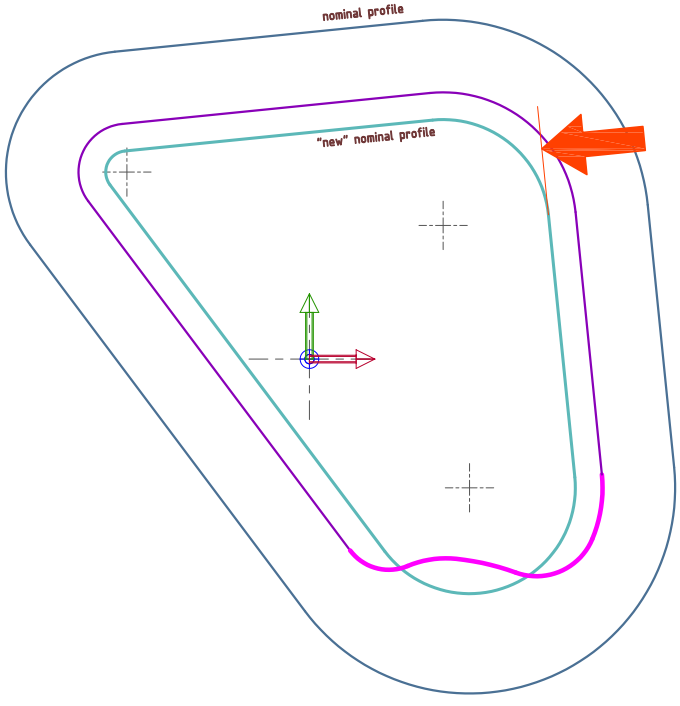


Curve Form

Pic #3

The "decreasing" nominal curve





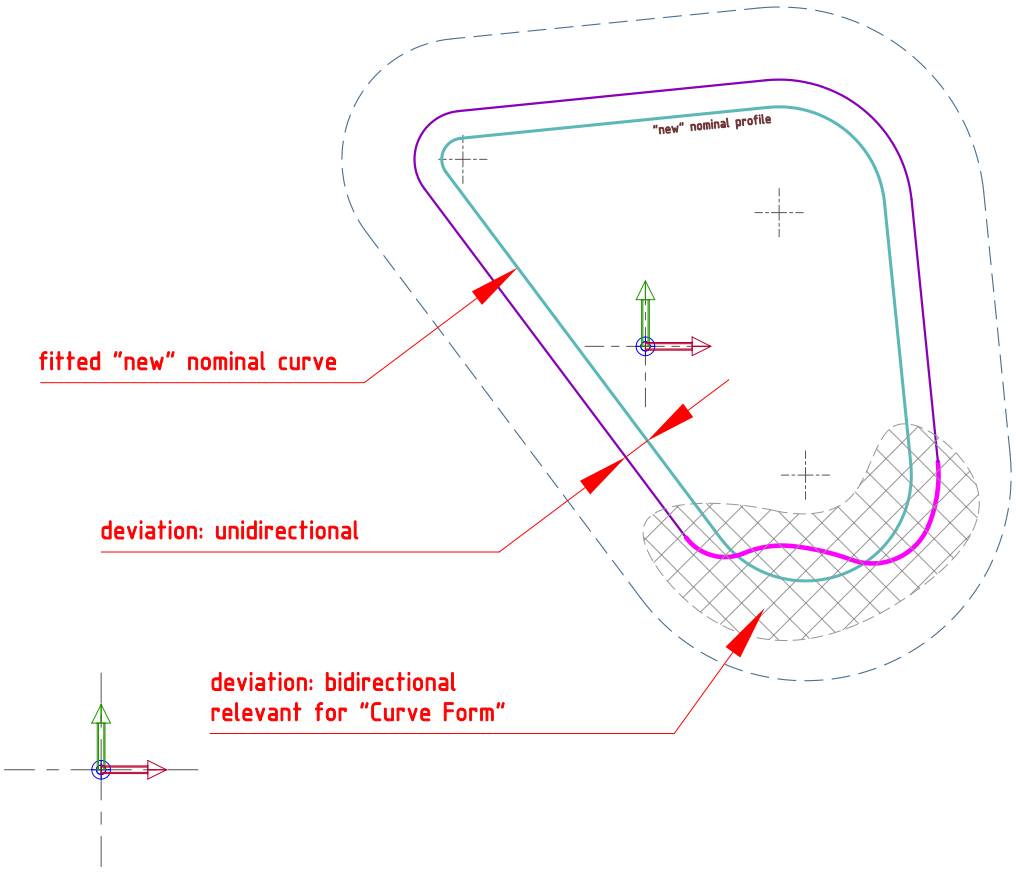
Curve Form

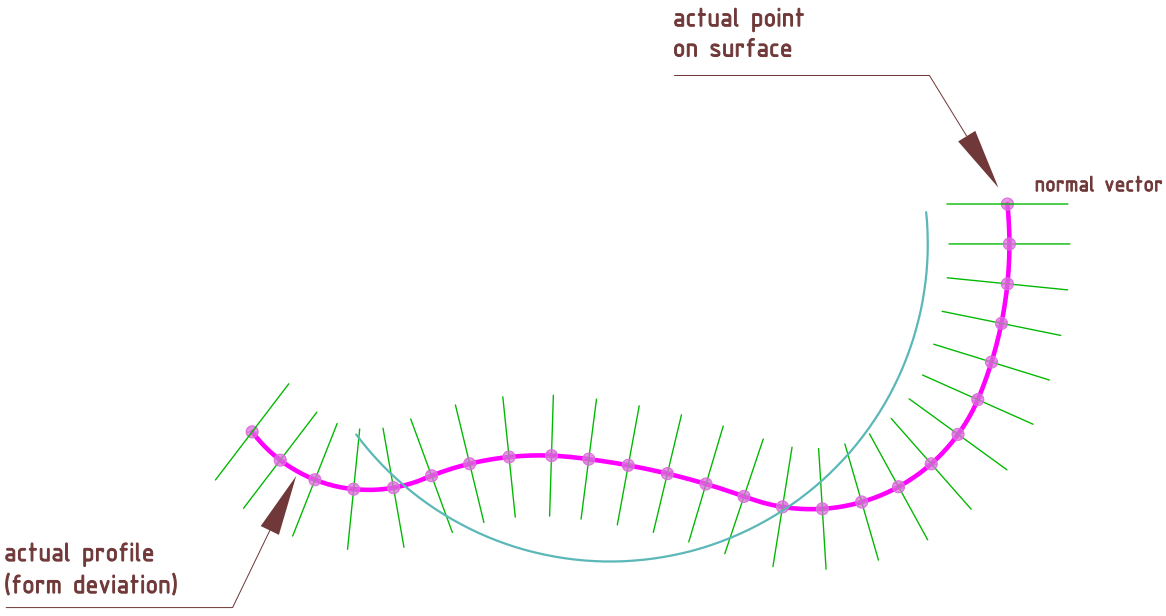
Pic #4

The "new" nominal curve:

Fitting process: "Minimum-Condition"

1.) Variation in size (equidistant)
2.) Variation in location
3.) Variation in orientation





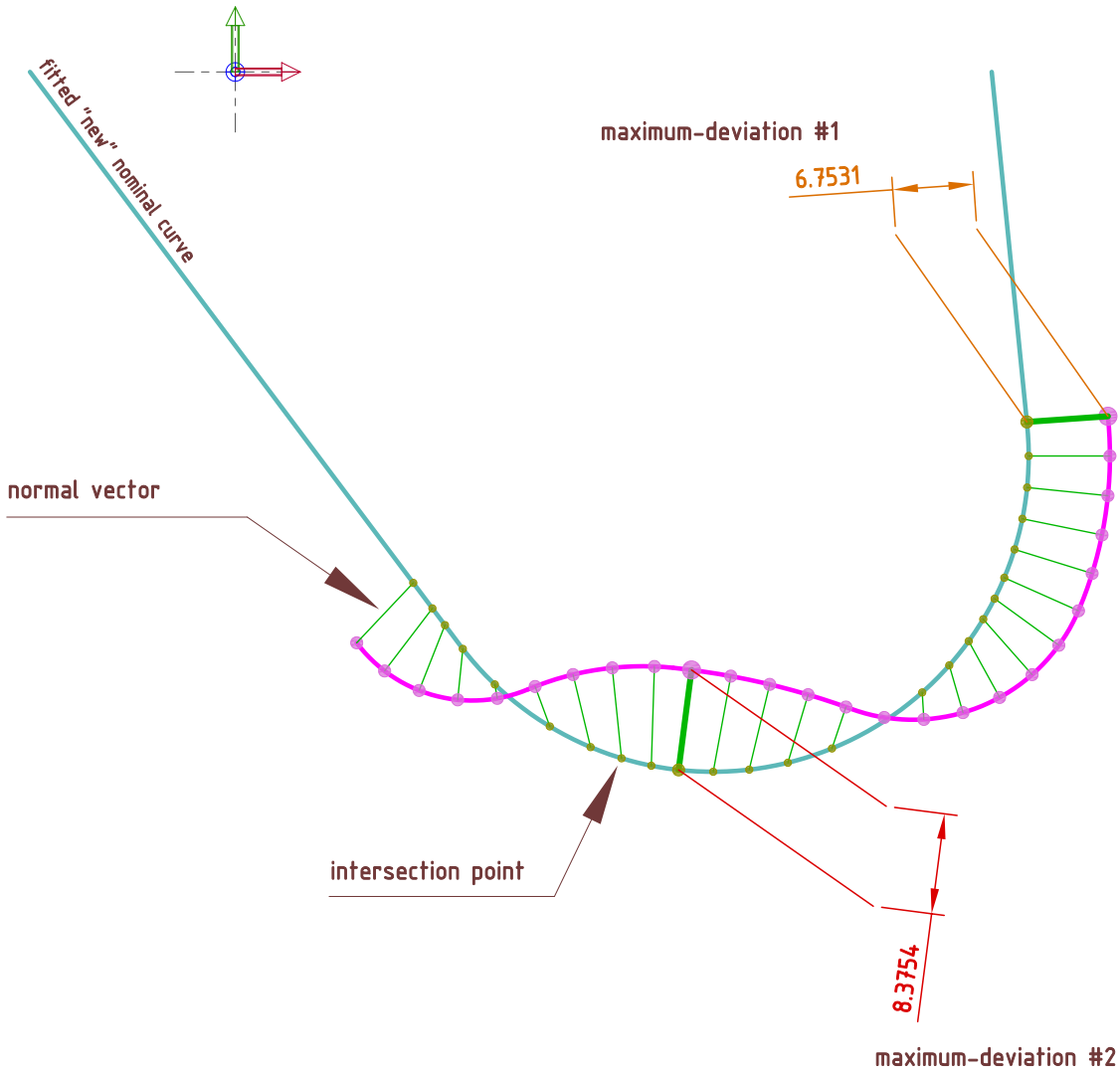
Curve Form

Pic #5

"New" nominal curve exactly fitted
Calculation of intersection points

result of Curve Form:

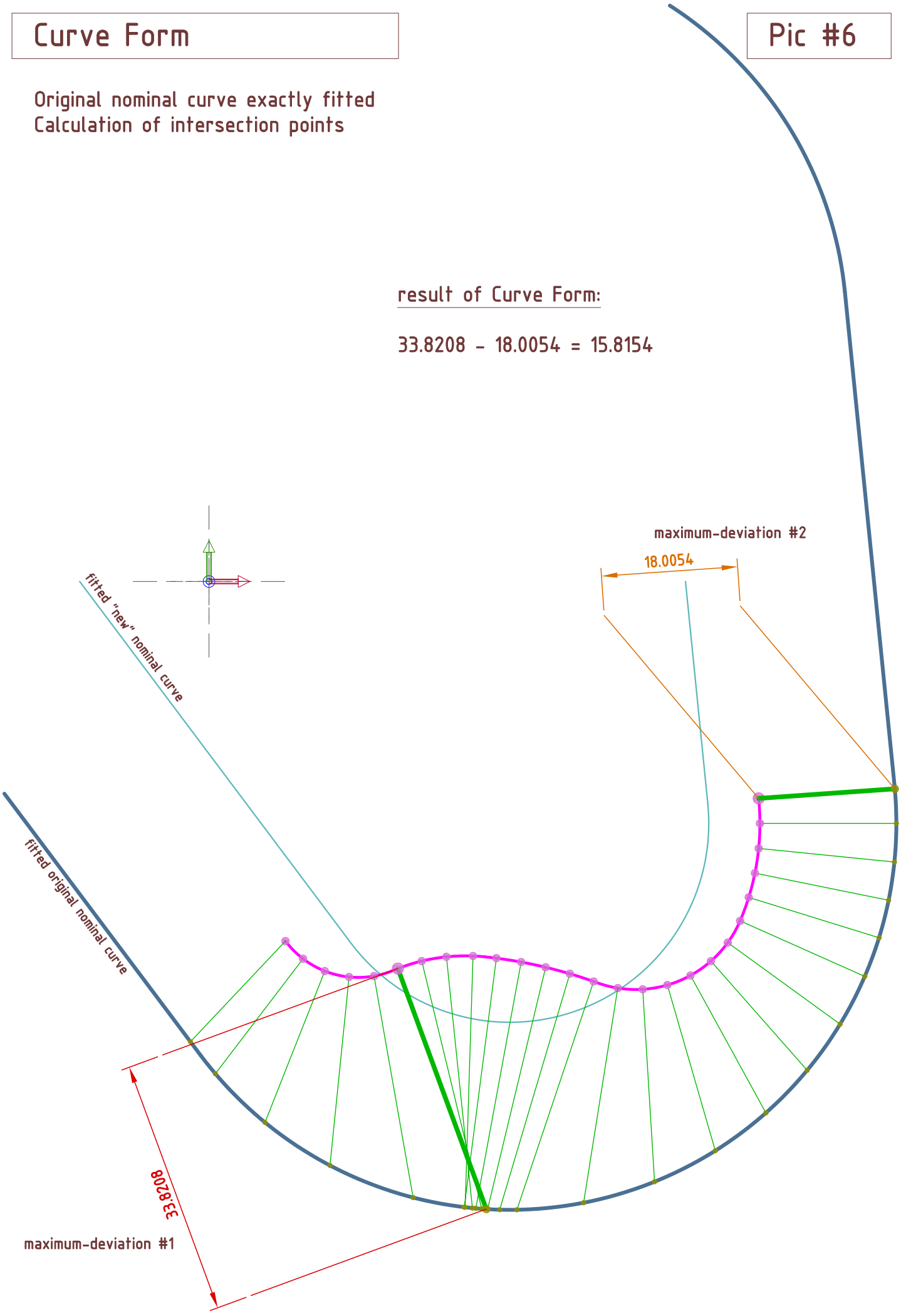
6.7531 + 8.3754 = 15.1285



Curve Form

Pic #6

Original nominal curve exactly fitted
Calculation of intersection points

result of Curve Form:

33.8208 - 18.0054 = 15.8154