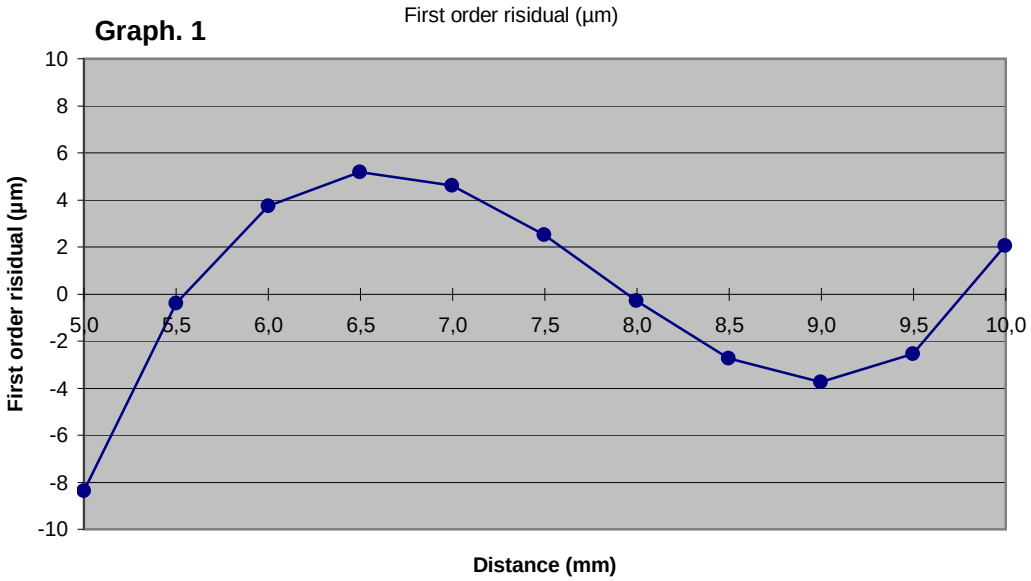
H7DC-036

Date : 19/12/2012

First order linearization

First order regression coefficients

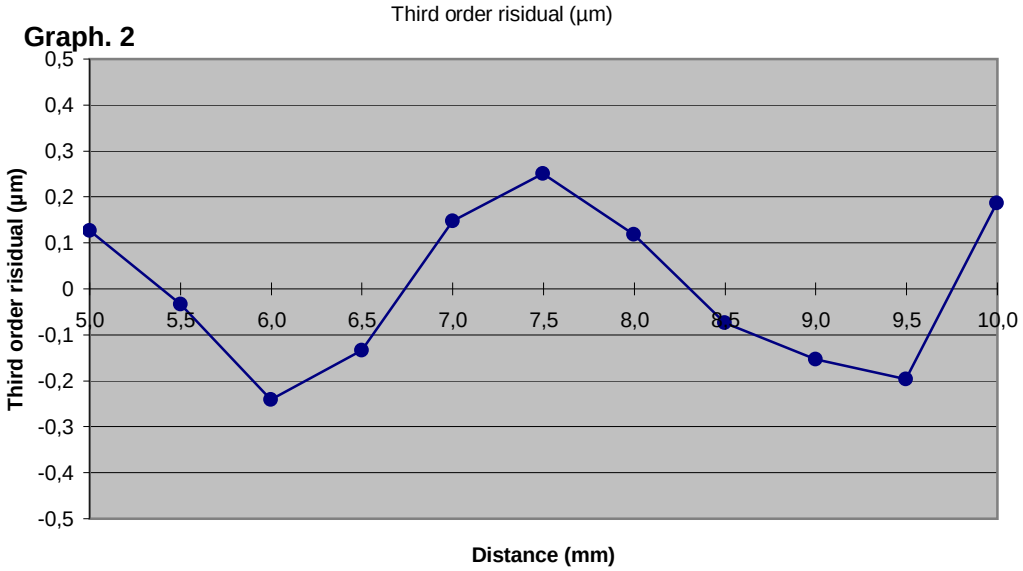
d = 5,0077 + 0,49894 V



Third order linearization

Third order regression coefficients

d = 4,9992 + 0,50941 V - 0,002387 V^2 + 0,0001444 V^3



Legend : Linearization polynoms express distance d as a fonction of voltage V

- Distance is in mm
- Voltage is in V

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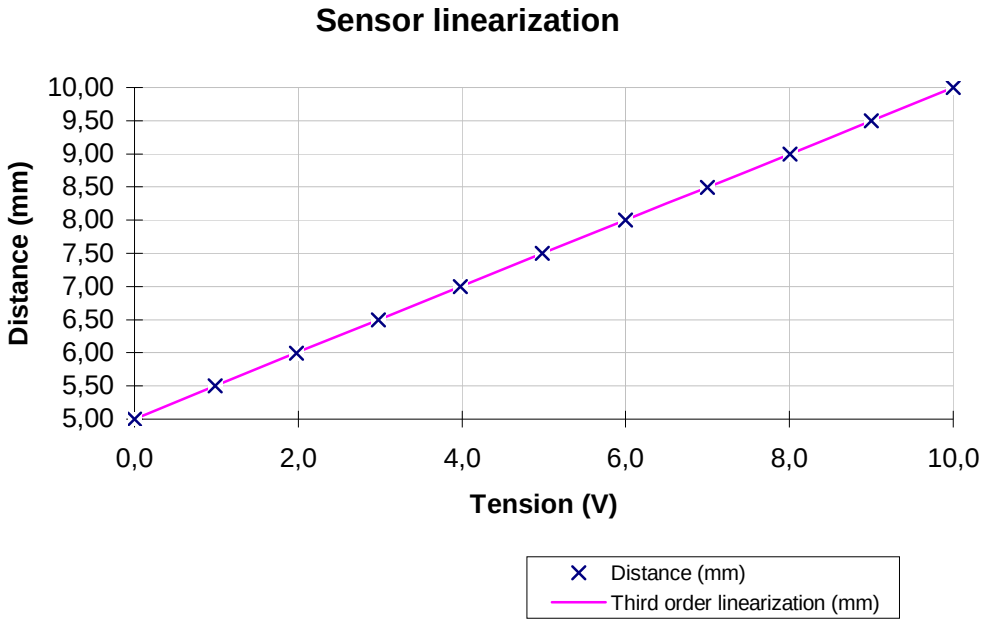

Résults

Distance (mm)	Voltage (V)
4,9994	0,0002
5,4993	0,9862
5,9990	1,9794
6,4974	2,9754
6,9979	3,9797
7,4969	4,9840
7,9977	5,9934
8,4966	6,9982
8,9976	8,0043
9,4968	9,0025
9,9976	9,9970