H7DC-039

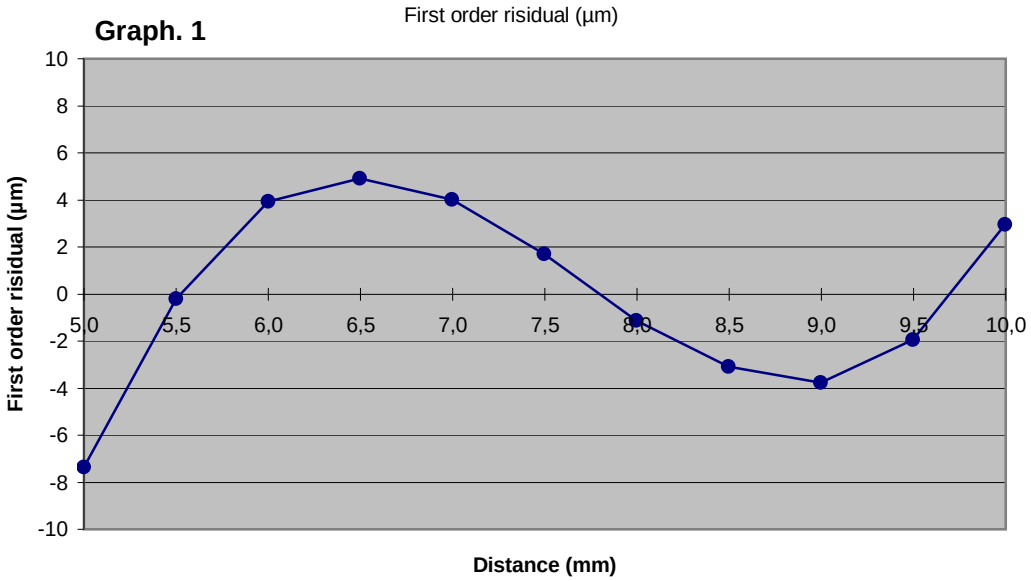
Date : 19/12/2012

First order linearization

First order regression coefficients

d = 5,0069 + 0,49901 V

Graph. 1

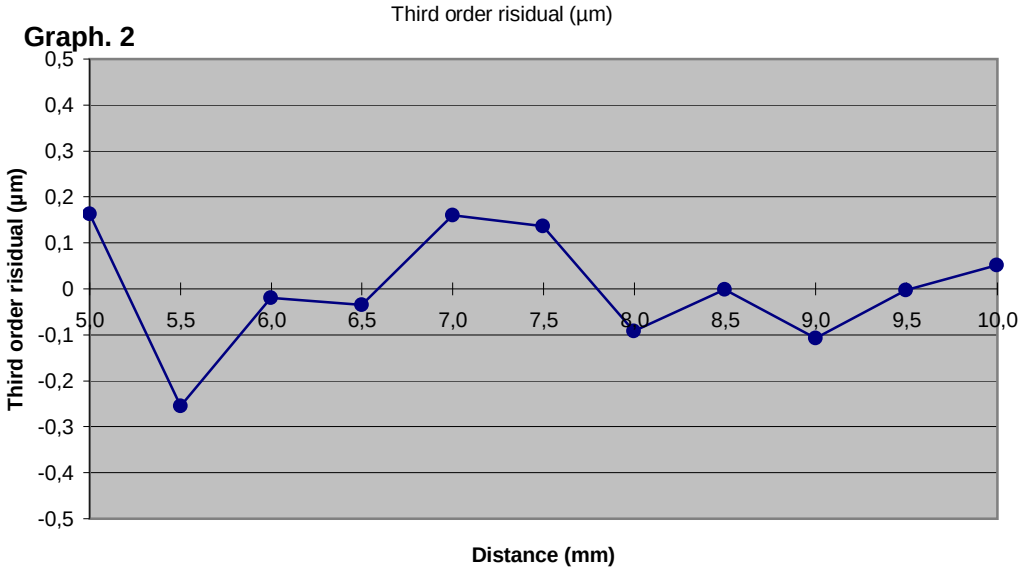


Third order linearization

Third order regression coefficients

d = 4,9994 + 0,50884 V - 0,002331 V^2 + 0,0001452 V^3

Graph. 2



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

- Distance is in mm
- Voltage is in V

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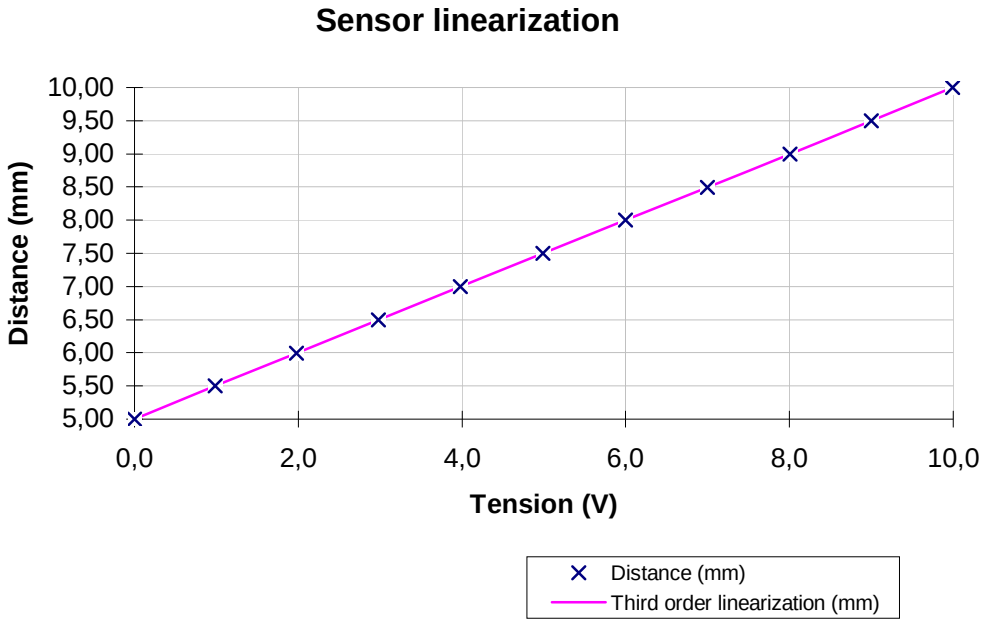

Résults

Distance (mm)	Voltage (V)
4,9993	-0,0006
5,4991	0,9867
5,9989	1,9800
6,4972	2,9766
6,9977	3,9814
7,4967	4,9860
7,9975	5,9953
8,4965	6,9992
8,9974	8,0044
9,4967	9,0013
9,9974	9,9949