H7DC-033

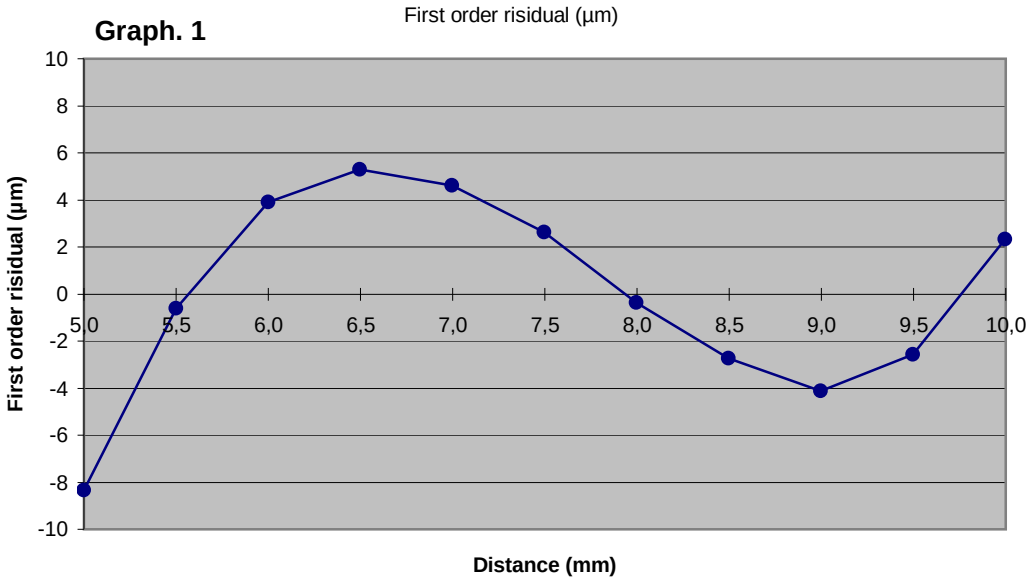
Date : 19/12/2012

First order linearization

First order regression coefficients

d = 5,0079 + 0,49881 V

Graph. 1

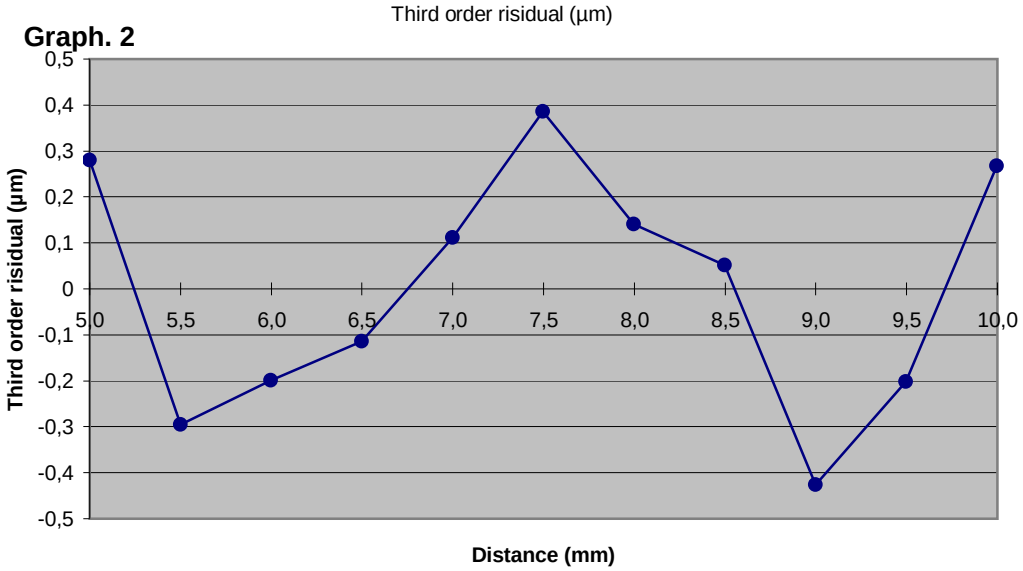


Third order linearization

Third order regression coefficients

d = 4,9993 + 0,50950 V - 0,002447 V^2 + 0,0001486 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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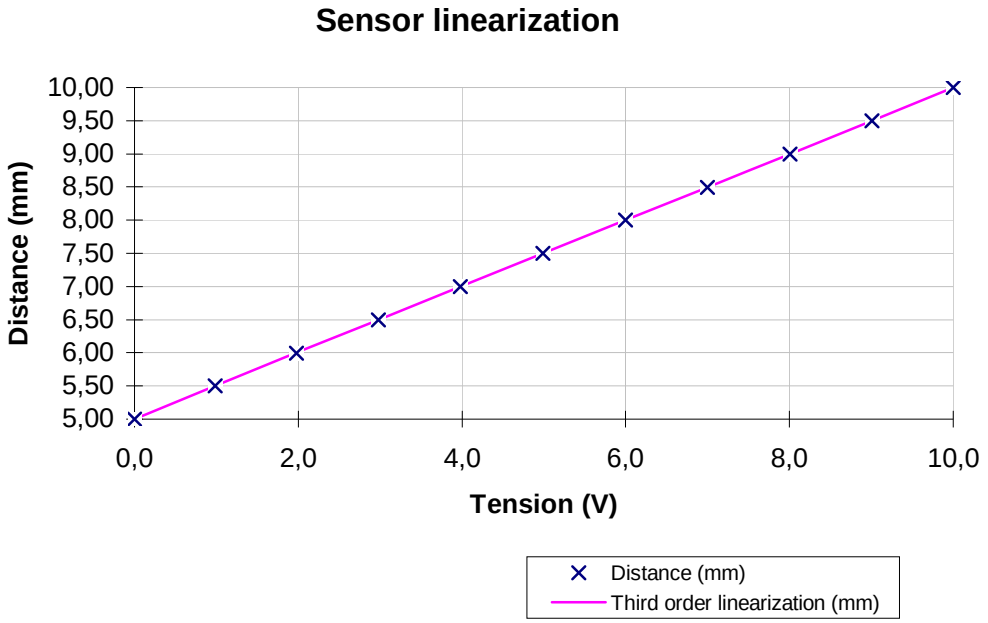

Résults

Distance (mm)	Voltage (V)
4,9993	-0,0005
5,4992	0,9862
5,9989	1,9789
6,4972	2,9751
6,9976	3,9796
7,4968	4,9844
7,9975	5,9942
8,4965	6,9993
8,9974	8,0063
9,4967	9,0041
9,9973	9,9979