H7DC-044

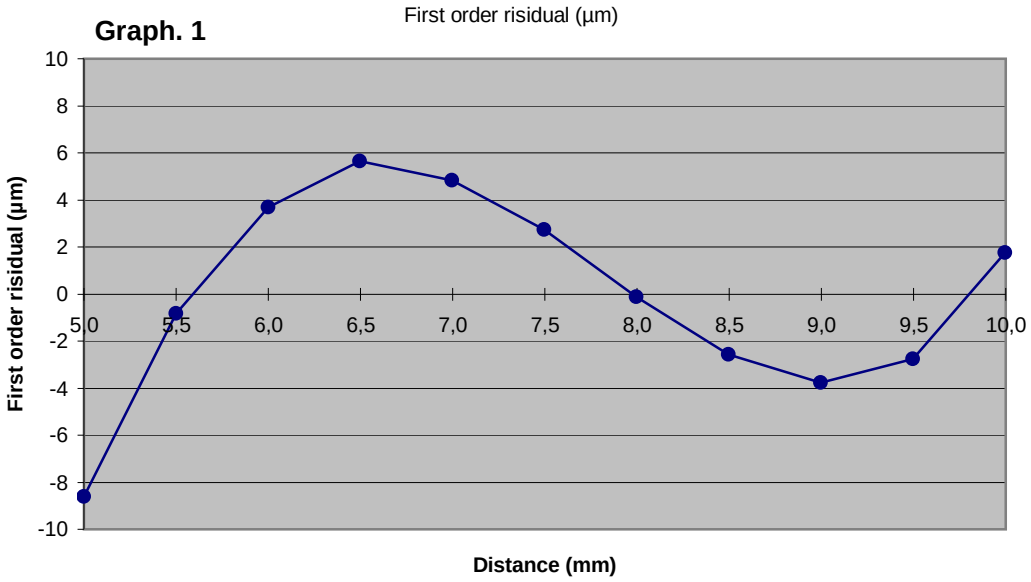
Date : 19/12/2012

First order linearization

First order regression coefficients

d = 5,0083 + 0,49886 V

Graph. 1

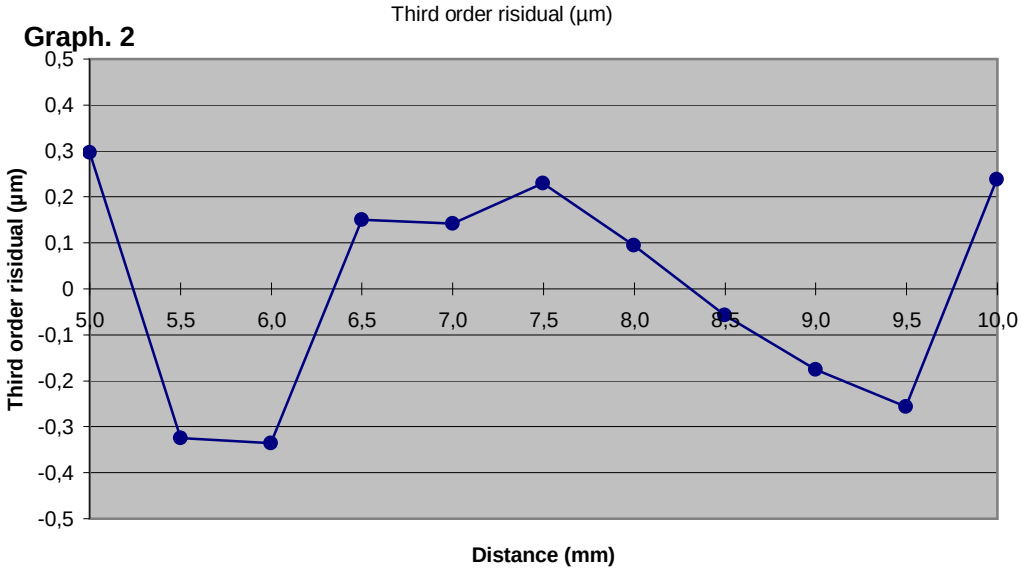


Third order linearization

Third order regression coefficients

d = 4,9994 + 0,50961 V - 0,002422 V^2 + 0,0001451 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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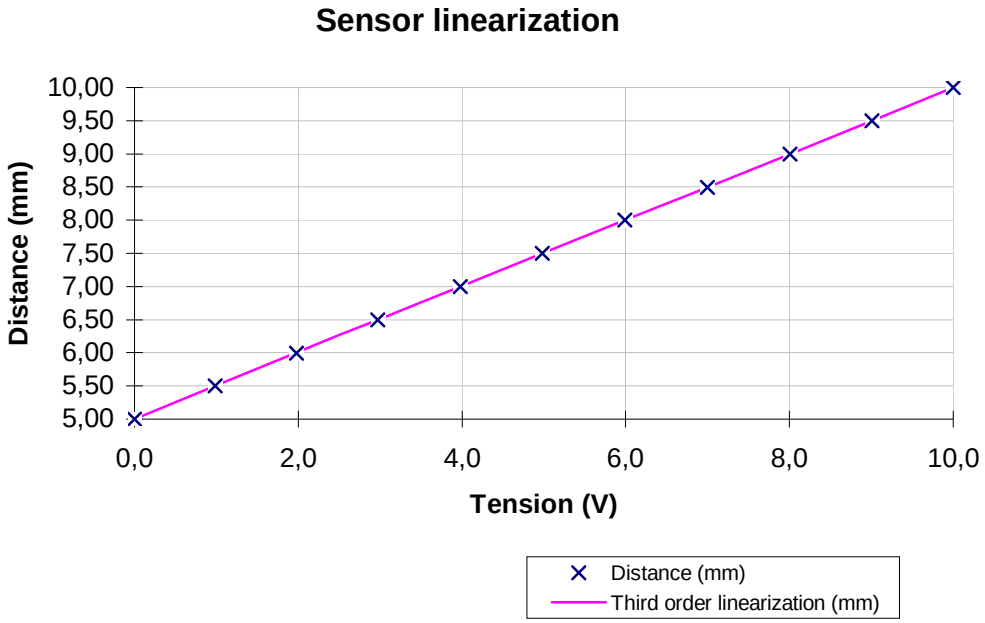

Résults

Distance (mm)	Voltage (V)
4,9994	-0,0006
5,4993	0,9859
5,9989	1,9783
6,4974	2,9737
6,9978	3,9784
7,4969	4,9831
7,9977	5,9927
8,4967	6,9979
8,9976	8,0044
9,4969	9,0033
9,9976	9,9979