H7DC-047

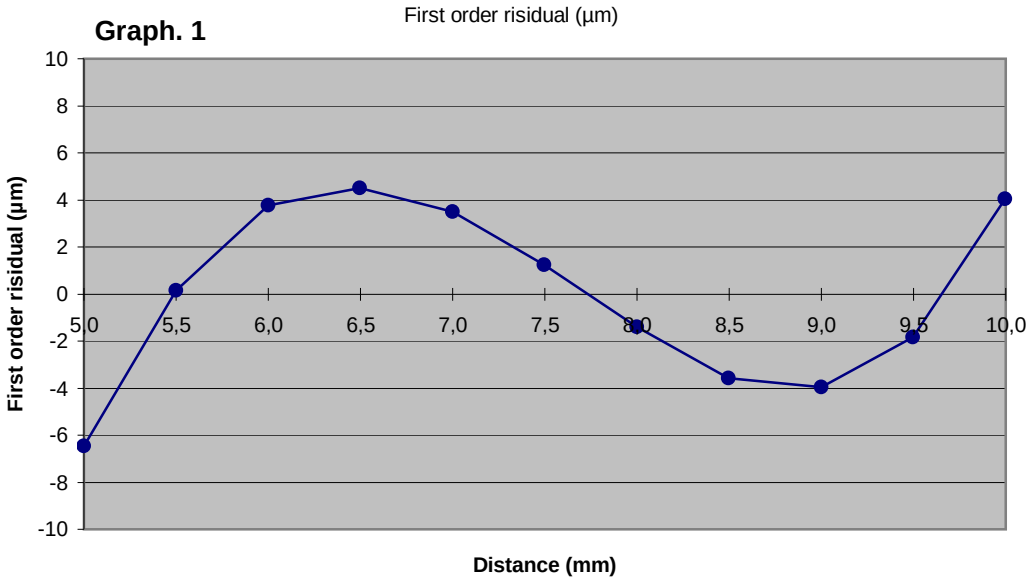
Date : 19/12/2012

First order linearization

First order regression coefficients

d = 5,0063 + 0,49930 V

Graph. 1

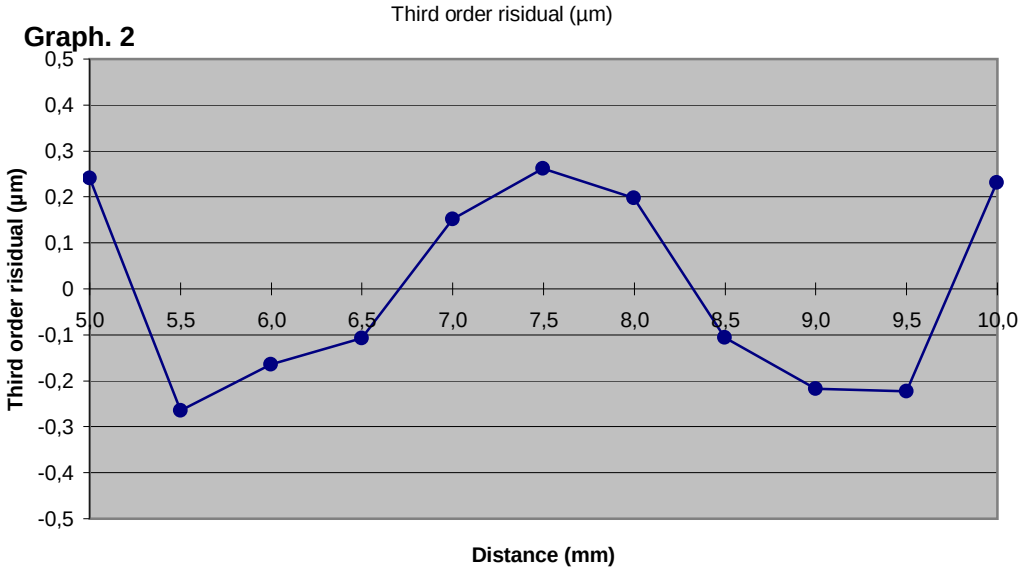


Third order linearization

Third order regression coefficients

d = 4,9996 + 0,50862 V - 0,002290 V^2 + 0,0001464 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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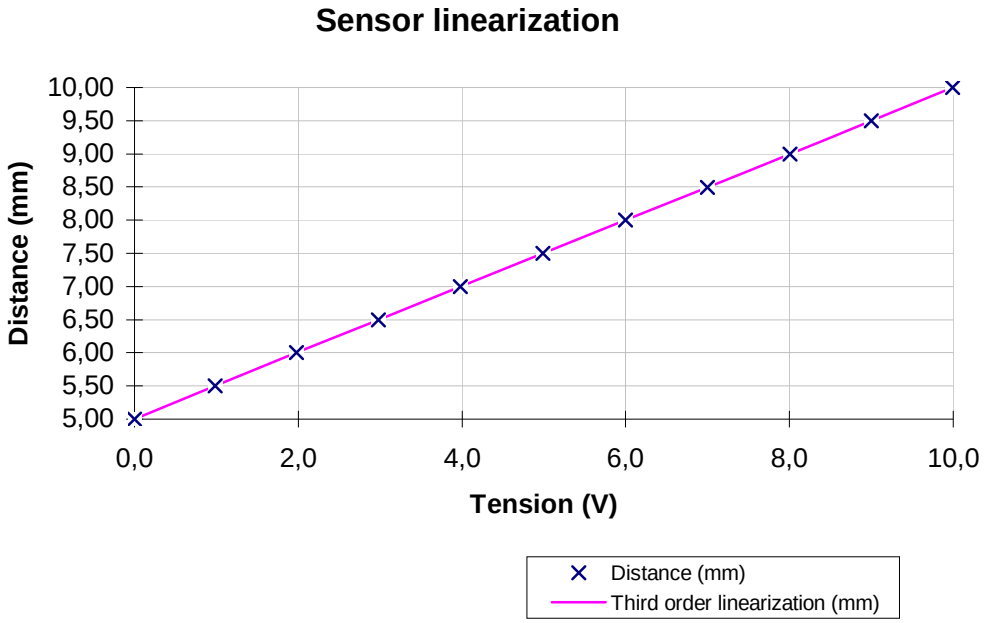

Résults

Distance (mm)	Voltage (V)
4,9995	-0,0007
5,4993	0,9870
5,9992	1,9810
6,4977	2,9779
6,9983	3,9825
7,4975	4,9869
7,9983	5,9951
8,4974	6,9991
8,9983	8,0031
9,4976	8,9988
9,9982	9,9897