H7DC-062

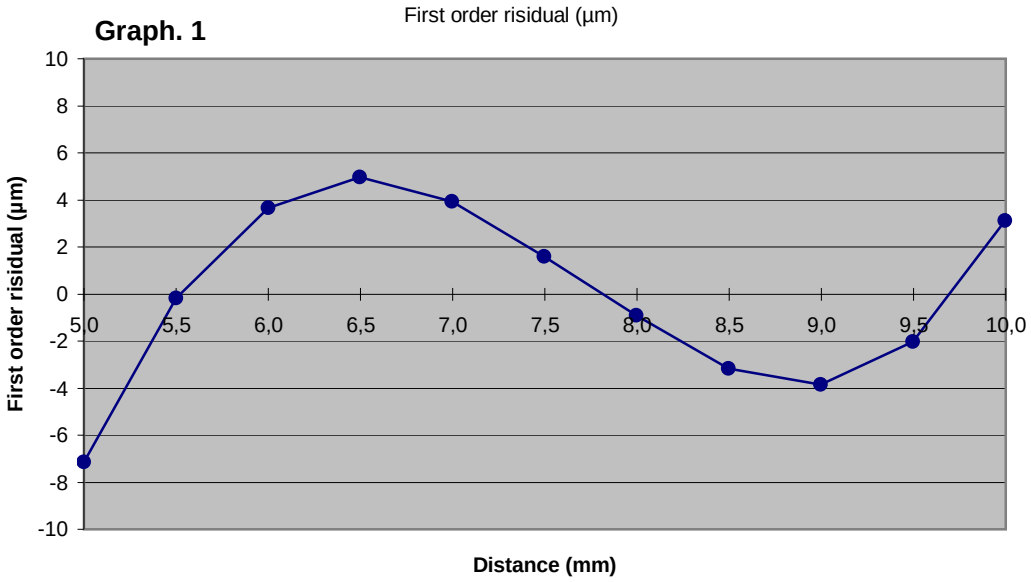
Date : 19/12/2012

First order linearization

First order regression coefficients

d = 5,0068 + 0,49806 V

Graph. 1

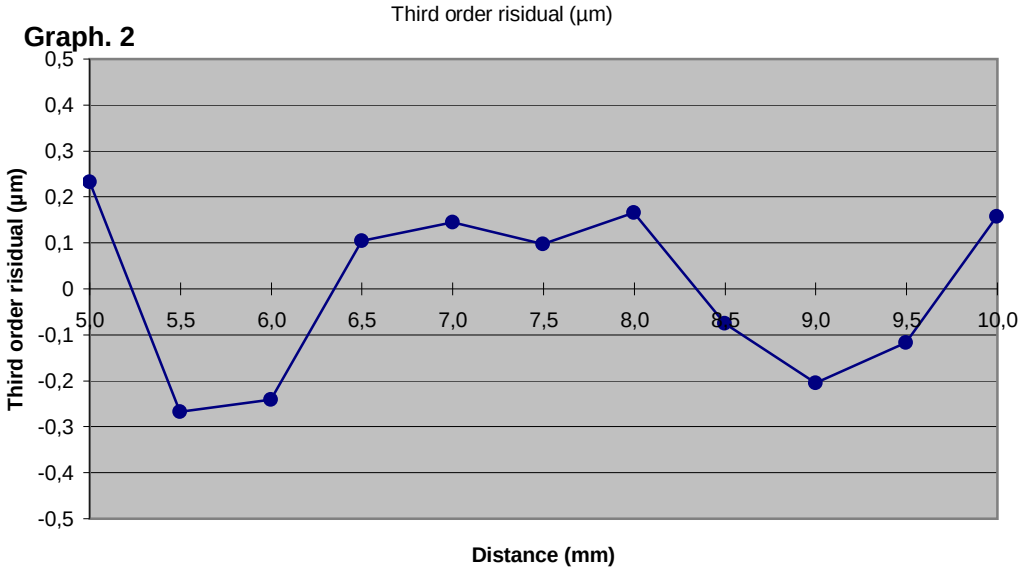


Third order linearization

Third order regression coefficients

d = 4,9994 + 0,50775 V - 0,002297 V^2 + 0,0001431 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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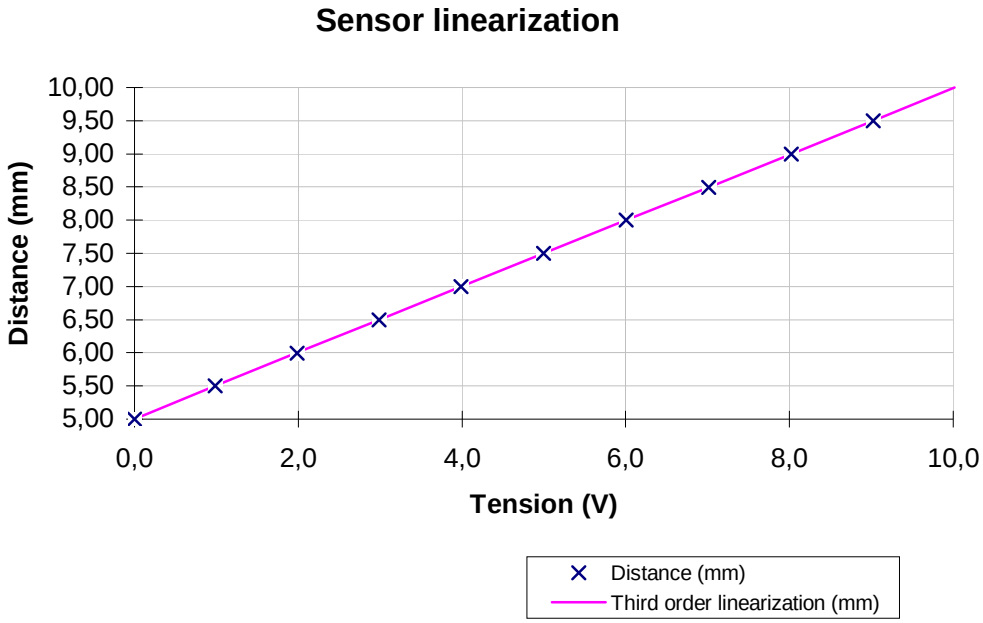

Résults

Distance (mm)	Voltage (V)
4,9991	-0,0011
5,4989	0,9884
5,9988	1,9844
6,4974	2,9829
6,9979	3,9898
7,4972	4,9970
7,9980	6,0075
8,4971	7,0141
8,9979	8,0210
9,4972	9,0198
9,9978	10,0146