H7DC-051

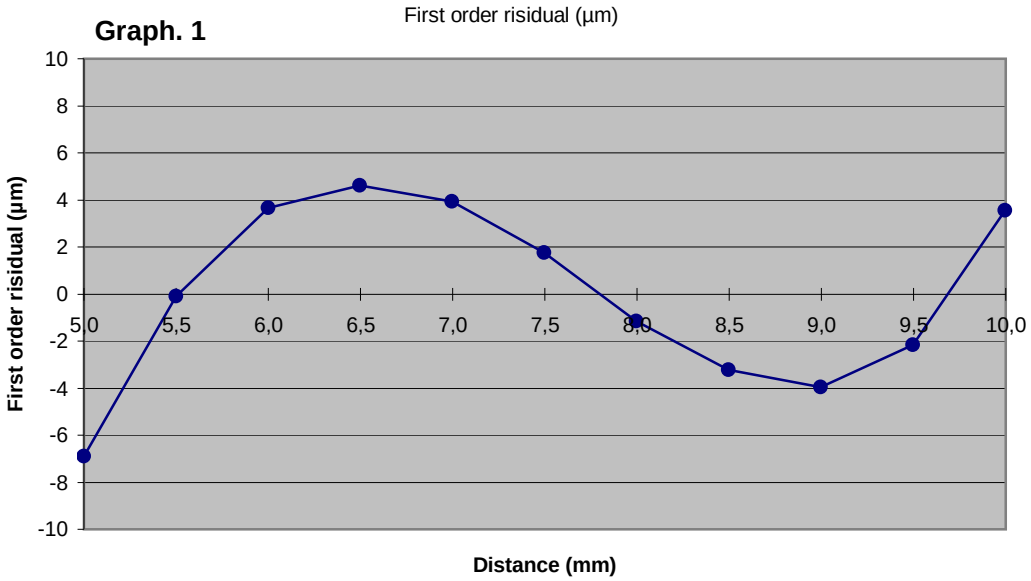
Date : 19/12/2012

First order linearization

First order regression coefficients

d = 5,0067 + 0,49879 V

Graph. 1

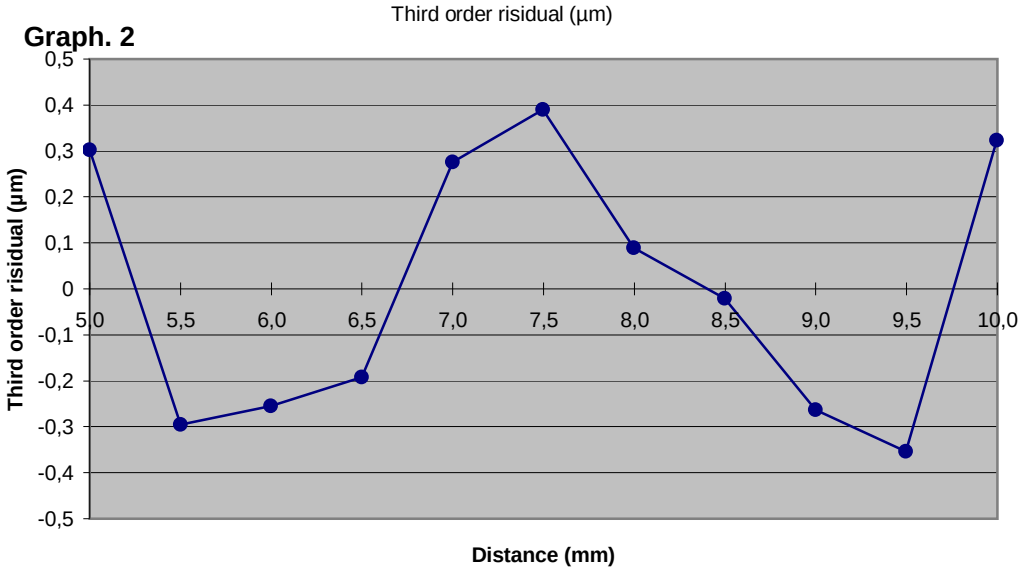


Third order linearization

Third order regression coefficients

d = 4,9995 + 0,50841 V - 0,002307 V^2 + 0,0001450 V^3

Graph. 2

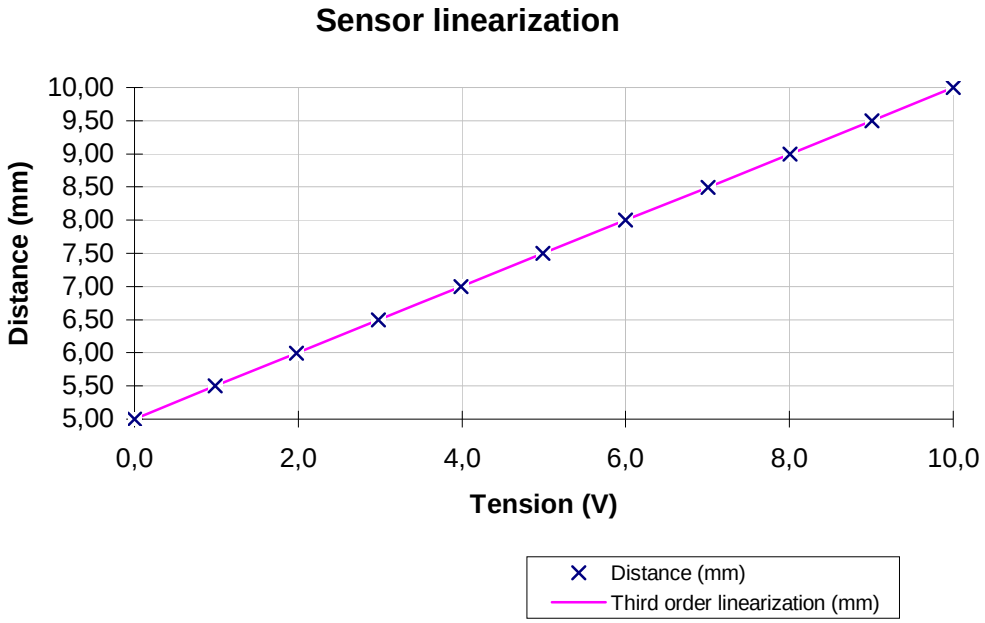


Legend : Linearization polynoms express distance d as a fonction of voltage V

- Distance is in mm
- Voltage is in V

H7DC-051

Date : 19/12/2012



Résults

Distance (mm)	Voltage (V)
4,9993	-0,0010
5,4991	0,9874
5,9987	1,9815
6,4973	2,9792
6,9979	3,9842
7,4972	4,9896
7,9980	5,9994
8,4970	7,0040
8,9979	8,0097
9,4973	9,0073
9,9979	9,9995