

1. Start a new spreadsheet in Microsoft Excel, name first sheet "Capacity"
2. Enter the information in the spreadsheet below.

	A	B
1	Y [S]	4,12E-06
2	G [S]	4,52E-07
3	f [Hz]	300
4	C [F]	

3. Enter the formula below into cell B4

$$C = \frac{\sqrt{Y^2 - G^2}}{2\pi f}$$

4. Insert the calculated capacity (including the unit) in the Word document you created under the heading Conclusion.
5. Create new sheet and name it "Radioactivity"
6. Enter the same table as you have in word document, i.e.

papers count	papers width [mm]	$N[Imp/min]$	$N - N_p[Imp/min]$
0	0	$328.6 \cdot 10^3$	
1	0.15	$186.2 \cdot 10^3$	
2	0.3	$100.3 \cdot 10^3$	
3	0.45	$57.47 \cdot 10^3$	
4	0.6	$37.73 \cdot 10^3$	
5	0.75	$25.87 \cdot 10^3$	

7. Enter value of $N_p = 157$ in the cell E2.
8. Compute in Microsoft excel the differences $N - N_p$,
9. Insert result into free cells in the table in your word document
10. In Excel create Scatter chart with smooth lines and markers (x axis represents paper width and y axis difference $N - N_p$)
11. Add name of chart (Absorption curve), label x axis (Thickness of the absorbent layer [mm]), label y axis ($N - N_p[Imp/min]$)
12. Into chart insert exponential trendline and show regression function
13. Insert resulted chart into word document under heading Graph.