



Gymnázium Jiřího Wolker, Prostějov

Laboratory task – physics – report

2.1 Surface tension

Name:	Class:
Date:	Evaluation:
Cooperated:	

TASK

Measure the surface tension of the liquids through the surface force.

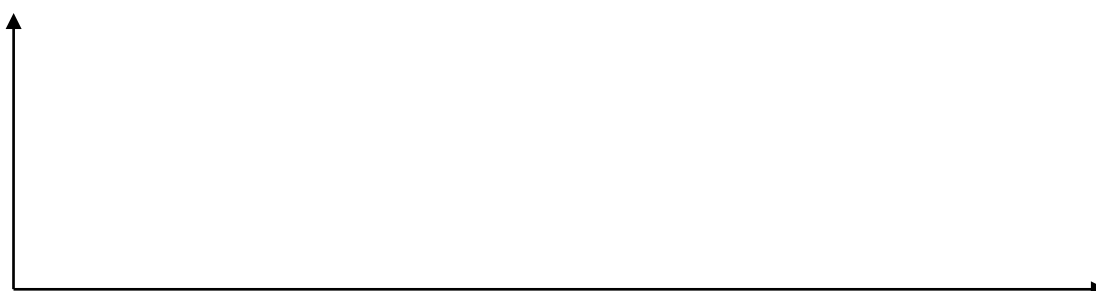
MEASUREMENT:

Force-time graph:

1) Water – 20 cm stick



2) Water – 10cm stick



3) Spirit – 20 cm stick



4) Spirit – 10 cm stick



5) Water with cleaning liquid – 20 cm stick



6) Water with cleaning liquid – 10 cm stick



number	liquid	$\frac{l}{m}$	$\frac{Fp}{N}$	$\frac{\sigma}{mN \cdot m^{-1}}$	$\frac{\sigma - measurement}{mN \cdot m^{-1}}$	$\frac{\sigma - tables}{mN \cdot m^{-1}}$
1	water	0,2				
2	water	0,1				
3	ethanol	0,2				
4	ethanol	0,1				
5	water + clearing liquid	0,2				
6	water + clearing liquid	0,1				

CONCLUSION

Sum up the measurements, draw a conclusion.