

Guidelines for writing a “scientific paper” for MaWi course STM

A) Volume: 1000-1500 words (do not exceed the volume! I'll count...),
at least 1 picture, at least 3 sources;

B) Structure (identical to the structure of a scientific paper):

1. **Short abstract** (~ 150 words about motivation and outcome)

Motivation (context, need, task, object: one sentence each, not more)

--> STM role in surface science... Enables identification of samples. However, careful interpretation is required because ...)

Outcome (findings and conclusion)

2. **Short introduction**

context (STM role in surface science, enables...), need (unknown samples have to be identified), task (we use STM for this because...), object (this paper presents results on... and discuss...)

3. **Methods**

- how are samples measured with the STM; be short on how the STM works in general, take more work on describing what is shown in the video. Describe it in such a quality that one could do it from your description without seeing the video.
- Evaluation method of the image

4. **Result** (description of the image, results of the evaluation);

5. **Discussion** (interpretation of the evaluation, why the measurement was important for us)
Discussion is the MAIN POINT and thus should also be the longest.

6. **References**

C) Notes:

- Graphics must be well labeled; you can also draw and show measuring points or lines in the picture!
- Abbreviations must be defined when used for the first time
- Language: English, understandable and, if possible, without spelling mistakes
- Nice layout, make a little effort, not just a boring text document
- abstract
- Creative introduction and discussion
- Correct result of the experiment

If you have any questions: trixler@lrz.uni-muenchen.de

**--> Submission via email (trixler@lrz.uni-muenchen.de)
no later than by the end of the current semester.**

Please do not forget to put your names and your matriculation numbers at the submitted document!