

N4: STM – Scanning Tunnelling Microscope

This practical is dedicated to the study of the Scanning Tunneling Microscope (STM) through two complementary approaches: simulation (using Nanonis) and practical (using the Nanosurf STM). A special attention is given to the interpretation of obtained data (images and spectroscopy curves).

The image below was obtained by students and it clearly shows atomic resolution obtained during the practical on graphite surface.

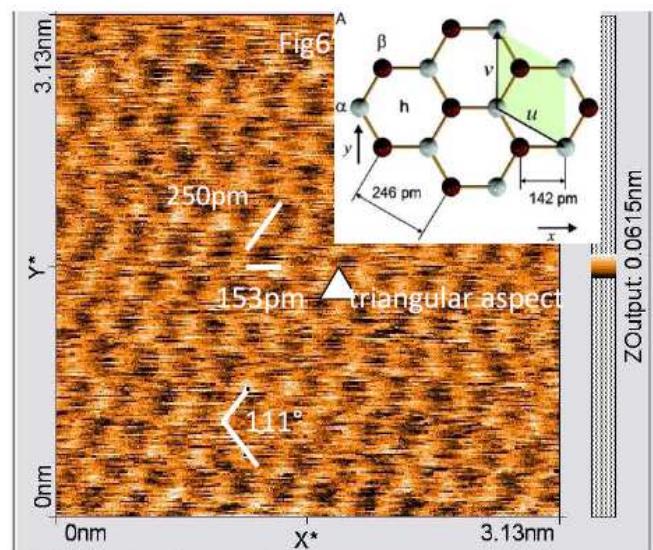


Fig6 : atomic resolution image