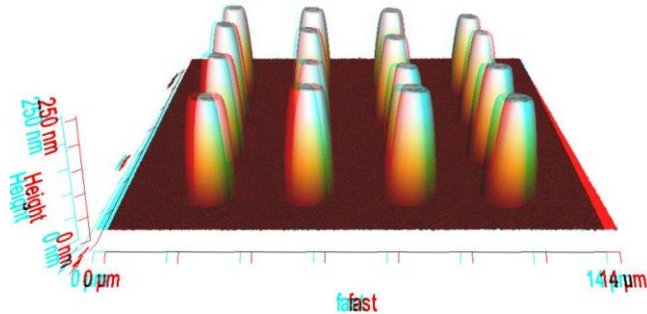
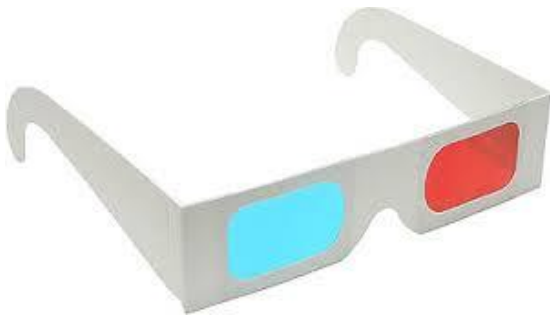


3D STEREO AFM IMAGE: How to make one?



How to prepare AFM image:

- ❖ Open your AFM image with Data processing software that has 3D mapping option.
- ❖ Set Z for axis ratio (2000-4000%) to achieve more dramatic 3D effect.
- ❖ Find imposing point of view by changing X,Y,Z coordinates and scale your image
- ❖ Save two .png images (to be joined to 3D stereo image later) with different rotation around the Z axis
 - ❖ The first should be rotated +n degrees
 - ❖ The second -n degrees

n – is the rotation angle in degrees. The greater the number, the stronger the stereo effect. But big rotations make 3D stereo unpleasant looking, so optimum angle is about [+3 -3]°

Making 3D stereo image:

We are using **StereoPhoto Maker** to render the two png images into 3D stereo projection.

<http://stereo.jp/eng/stphmkr/>

- ❖ Open stphmkre.exe
- ❖ File→Open Left/Right images (select your images)
- ❖ Stereo→ColorAnaglyph→Optimized Anaglyph
 - ❖ This is the easiest way. Automatic settings sometimes does not give the best results and one has to tweak some of the settings depending on the Picture.
- ❖ Save stereo image in jpeg, png, or which-ever-you-like format
- ❖ Look through Red/Cyan glass to see the result! And Enjoy!